

STIC Search Report Biotech-Chem Library

STIC Database Tracking Number: 176094

TO: Mary K Zeman

Location: rem/2D61/2C70

Art Unit: 1631

Friday, January 20, 2006

Search Notes

Case Serial Number: 08/836075

From: Barb O'Bryen

Location: Biotech-Chem Library

Remsen 1a69

Phone: 571-272-2518

BUB

barbara.obryen@uspto.gov

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STIC-Biotech/ChemLib



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Sent:	(')
To:	
Cc:	
	. 1//

Pak, Michael

Tuesday, January 10, 2006 2:00 PM

STIC-Biotech/ChemLib

Zeman, Mary

Subject: FW: Interference search 08/836075

Dear STIC,

Please search the multiple sequence search request set forth below.

Thanks.

Mike Pak

----Original Message----

From:

Chan, Christina

Sent:

Monday, January 09, 2006 6:06 PM

To: Subject: Zeman, Mary; Pak, Michael; STIC-Biotech/ChemLib RE: Interference search 08/836075

Subject: RE: Interrel

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644 (571)-272-0841 Remsen, 3E89

----Original Message----

From:

Zeman, Mary

Sent:

Monday, January 09, 2006 3:14 PM

To:

Chan, Christina

Subject:

Interference search 08/836075

The following application has a multitude of claimed polynucleotide sequences which I was required to examine after petition of the restriction requirement. This case may be allowable, and I must now do an interference search of the claimed sequences. Please approve this lengthy search. Thanks, Mary Z

Please search the following SEQ ID NO: of 08/836075 in pending and uspatent files only.

SEQ ID NOs: 1, 3, 5, 7, 9, 1 1, 13, 15, 17,

19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 53, 55, 57, 59, 61, 63, 65, 67,

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69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 99, 101, 103 or 105.

Mary K. Zeman			
Primary Examiner, 1631	and the statement of the statement of the statement	the serificant grades for an extraction of the experience of the e	e e constituente de l'action de comme d'une de constitue de propagation de l'action después
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ALIGNMENTS

; Sequence 1, Application US/08836075A; Patent No. 6180768; GENERAL INFORMATION:

, GEERT

THERAPEUTIC AND DIAGNOSTIC

RESULT 1 US-08-836-075A-1

COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA: NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 11
INFORMATION FOR SEQ ID NO: 1: APPLICANT: MAERTENS, G APPLICANT: STUTVER, LI TITLE OF INVENTION: AN TITLE OF INVENTION: AN TITLE OF INVENTION: AG NUMBER OF SEQUENCES: 2 APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A. ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk TOPOLOGY: 1: MOLECULE TYPE: SEQUENCE CHARACTERISTICS CORRESPONDENCE ADDRESS: TYPE: nucleic acid STRANDEDNESS: single COUNTRY: USA 7TP: 77210-4433 CITY: HOUSTON STREET: LENGTH: ADDRESSEE: TEXAS E: ARNOLD, WHITE & DURKEE P.O. BOX 4433 327 base pairs linear NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN AGENTS INNS:004

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PRIOR APPLICATION NUMBER: PCT/US97/09884
PRIOR FILING DATE: 1997-06-06
PRIOR PPLICATION NUMBER: 60/020,494
PRIOR PLILING DATE: 1996-06-11
PRIOR PILING DATE: 1996-06-12
PRIOR PILING DATE: 1996-12-20
PRIOR APPLICATION NUMBER: 60/03,534
PRIOR APPLICATION NUMBER: 08/865,823
PRIOR APPLICATION NUMBER: 08/865,823
PRIOR PILING DATE: 1997-05-30
NUMBER OF SEQ ID NOS: 25
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
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                                                                                                                                                                                                                 LENGTH: 573
TYPE: DNA
ORGANISM: Hepatitis
US-09-194-949A-5
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US-09-194-949A-5
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Best Local Similarity 100.0%; Pred. No. 1.9
Matches 327; Conservative 0; Mismatches
                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Merck & Co., Inc. APPLICANT: Donnelly, John J. APPLICANT: Fu, Tong-Ming
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Fu, Tong-Ming
APPLICANT: Liu, Margaret A.
APPLICANT: Shiver, John W.
TITLE OP INVENTION: SYNTHETIC HEPATITIS C GENES
FILE REFERENCE: 19732YP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/194,949A CURRENT FILING DATE: 2000-02-17
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                                                                                                                                             301; Conservative
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                 GGSGTNNNNNNNCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTTACCTGTTGCCGCGCAGG
                                                                                          ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCTCAK
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                                                                                                                                        Score 296.2; DB 3;
Pred. No. 5.7e-74;
4; Mismatches 22
                                                                                                                                                                             DB 3;
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                                                                                                                                 US-08-290-665A-113
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Patent No. 58
                                                                Matches
                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: BUCH, J., MILLER, R.H.
APPLICANT: PURCELL, R.H.
TITLE OF INVENTION: NUCLECTIDE A
TITLE OF INVENTION: AMINO ACID SI
TITLE OF INVENTION: CORE GENES OF
TITLE OF INVENTION: AND THE USE OF
TITLE OF INVENTION: SEQUENCES IN
NUMBER OF SEQUENCES: 263
CORRESPONDENCE ADDRESS:
ADDRESSE: MORAN & FINNEGAN
                                                                                                                                                                                                                                          TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665;
PILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                               ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                 TELEPHONE: (212) 751-6849
                                                                                                                                              ORGANISM: homosapiens INDIVIDUAL ISOLATE: P10
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                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                             TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER:
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5882852
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NEW YORK
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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                                                                Score 289.8; DB 2;
Pred. No. 3.6e-72;
4; Mismatches 26;
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                                                                  Indels
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RESULT 4
US-08-290-665A-114
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                                                                     US-08-290-665A-114
                                                                                                                                                               TELEX: 421792
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
Query Match
Best Local Similarity
Matches 297; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 114, Application US/08290665A Patent No. 5882852
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STREET: NEW YORK
CITY: NEW YORK
CTATE: NEW YORK
                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                     ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                         NAME: RICHARD W. BORK REGISTRATION NUMBER:
                                                                                                      ORGANISM:
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                                                                                   INDIVIDUAL ISOLATE:
                                                                                                                                      TOPOLOGY:
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88.6%; ilarity 90.8%; Conservative
                                                                                 homosapiens
ISOLATE: DK1
                                                                                                                                    linear
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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Score 289.8; DB 2;
Pred. No. 3.6e-72;
4; Mismatches 26;
                              DB 2;
                              Length
                               573;
<u>,</u>
Gaps
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RESULT 5
PCT-US95-10398-113
; Sequence 113, Application PC/TUS9510398
; GENERAL INFORMATION:
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MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/1039
                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: ITILE OF INVENTION: ITILE OF INVENTION: SUPERIORS:
                                                                                                                     REFERENCE DOCKET NUMBER: 2026-4116
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: BUKH, J.,
APPLICANT: PURCELL, I
TITLE OF INVENTION: I
                                     SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                 FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/08
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/29
                                                                                                                                                                                                                                                                                   CLASSIFTURE DATA:
PRIOR APPLICATION DATA:
08/086,428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                            TELEPHONE: (212) 751-6849
                                                                                                                                                                                                                                                                                                                            FILING DATE: 1: CLASSIFICATION:
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                                                                          TELEX:
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                                                                                                                                                                                    NAME: RICHARD W. BORK
                  LENGTH:
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                                                                                                             (212) 758-4800
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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PCT-US95-10398-114
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Best Local S
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                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
ORIGINAL SOURCE:
ORGANISM: homosapiens
INDIVIDUAL ISOLATE: P:
                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
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                                                                                                                                                                                                                                  COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: 15-AUC CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                               STREET: 345 PARK AVENUE CITY: NEW YORK STATE: NEW YORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
                                   NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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Similarity 90.8%;
97; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                      MORGAN
                                                                                                                                                                                                  15-AUG-1995
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Pred. No. 3.6e-72;
4; Mismatches 26;
   2026-4116
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US-08-290-665A-110
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TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEFX: 421192
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lyuruce 110, Application US/08290665A
Patent No. 5882852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local S
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                            SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665A
FILING DATE: 15-AUG-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN &
STREET: 345 PARK AVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: BUKH, J., APPLICANT: PURCELL,
                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
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                                                                                                                              MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 345 PARK AVENUE CITY: NEW YORK
                                                                                                                                                                                                                                                                                                          ZIP: 10154
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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Pred. No. 3.6e-72;
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RESULT 8
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US-08-290-665A-110
                                                                                                                                                                                                                                                                                                                                                                    Sequence 110, Application PC/TUS9510398 GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                          APPLICANT: BURH, J.,
APPLICANT: PURCELL, N
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: C
TITLE OF INVENTION: S
TITLE OF INVENTION: S
TITLE OF INVENTION: S
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LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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ORGANISM: homosapiens
                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
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REFERENCE/DOCKET NUMBER: 07
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
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CURRENT APPLICATION DATA
            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
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                                                                                                                      COUNTRY:
                                                                                                                                                             CITY:
                                                                                                                                                                        STREET:
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NEW YORK
: NEW YORK
                                                                                                       10154
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                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                       BUKH, J.,
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                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE AND DEDUCED
                                                                                                                                                                                                                                                                                                                                                     MILLER, R.H. AND
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                                                   GENERAL INFORMATION:
APPLICANT: MARTENS, GER
APPLICANT: MARTENS, LIES
TITLE OF INVENTION: NEW
TITLE OF INVENTION: AND
TITLE OF INVENTION: AGER
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                       Sequence 5, Application US/08836075A Patent No. 6180768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 296; Conserv
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 08/290/66
PILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFONMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
PRIOR APPLICATION DATA:
AUDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM:
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US-08-441-971-62
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             Sequence 62, Application US/08441971
PATENT NO. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTI
NUMBER OF SEQUENCES: 147
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Best Local Similarity 90.5%;
Matches 296; Conservative
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APPLICATION NUMBER: EP 94870166.9

FILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 95870076.7

FILING DATE: 28 Jun 1995

ATTORNEY/ACENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REGISTRATION NUMBER: 29,775
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
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PILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/I
FILING DATE: 23 Oct 1995
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ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / J
CURRENT APPLICATION DATA:
CORRESPONDENCE ADDRESS
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Pred. No. 1.1e-71;
4; Mismatches 27
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                                   THERAPEUTICS
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653
FILING DATE:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY AGENT INFORMATION:
NAME: Janiuk, Anthony J
REGISTRATION NUMBER: 29,809
PREPERENCE/DOCKET NUMBER: C0772/7001
                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION: TELLEPHONE: (617) 720-3500
TELLEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version 3.3 SOFTWARE: Wordperfect 5.1 CURRENT APPLICATION DATA:
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CITY: Boston
STATE: Massac
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
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CGCGGCTCTCGGCCTAGCTGGGGCCC 326
                               ceceecriciceecccaarreeeccc 326
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                                                                     TATCCTTGGCCCCTCTATGGCAATGAGGGTCTGGGGTGGGCAGGATGGCTCCTGTCACCC
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RESULT 11 US-08-221-653-62 ; Sequence 62, Application US/08221653

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                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION UDATA:
APPLICATION NUMBER: US/07/
FILING DATE:
APPLICATION NUMBER: 07/697
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Tai-An Cha
TITLE OF INVENTION: H
TITLE OF INVENTION: D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
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ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM com
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                  241
                                                                                                                                  181
                                                                                                                                                                   181
                                                                                                                                                                                                    121
                                                                                                                                                                                                                     121 GGCCCCAGGNNGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCACAACCTCGTGGC 180
 301
                               301
                                                                                                 241
                                                                                                                                                                                                                                                                                                                                                                                                     295;
                                                                                                                                                                                                                                                                  61
                                                                                                                                                                                                                                                                                       61 GGSGTNNNNNNNCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
                                                                                                                                                                                                                                                                 GACGTCAAGTTCCCGGGGGGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                                                                                                                                               AGGCGACAGCCTATCCCCAAGGCTCGYCGGYCCGAGGGCAGGTCCTGGGCTCAGCCCGGG 240
                                                                                                                                                                                                                                                                                                                                                       ATGAGCACGAATCCTAAAACCTCAAAGAAAAAACCAAACGTAACACCAACCGCCGCCGCCCTCAK 60
CGCGGCTCTCGGCCTAGCTGGGGCCC 326
                      CGCGGCTCTCGGCCCAATTGGGGGCCC 326
                                                                TATCCTTGGCCCCTCTATGGCAATGAGGGTCTGGGGTGGGCAGGATGGCTCCTGTCACCC
                                                                                                                                                                                                                                                                                                                                   ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
                                                                                               TATCCTTGGCCCCTCTATGGCAATGAGGGCTGCGGGTGGGCGGGATGGCTCCTGTCCCCC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Massachusetts
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Diskette,
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90.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 147
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                                                                                                                                                                                                                                                                                                                                                                                                 Score 287.2; DB 3;
Pred. No. 1.9e-71;
4; Mismatches 27;
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; MOLECULE TYPE: D
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US-08-442-144A-62
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US-08-442-144A-62
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APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ANDRESCOFT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 62, Application US/08442144A Patent No. 6214583
                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 295; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
COMPUTER: Microsoft Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,144
FILING DATE: MAY 16, 1995
CLASSIFICATION AY 15
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/221,653
PRIOR APPLICATION NUMBER: 08/221,653
PRIOR DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: DOFEEN YATKO Trujillo
REGISTRATION NUMBER: 35,719
REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Tai-An
APPLICANT: Eileen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 549 Nucleotide TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: CH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 4560 Horton Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94608-2916
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
181
                                    181
                                                                                                                  121 GGCCCCAGGNNGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCACAACCTCGTGGC 180
                                                                                                                                                         61
                                                                                                                                                                                            61
                                                                                                                                                                                                                                                          ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCTCAK 60
                                                                                                                                                                                                                                   ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG 60
                                  AGGCGACAGCCTATCCCCAAGGCTCGYCGGYCCGAGGGCAGGTCCTGGGCTCAGCCCGGG 240
                                                                           GGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
                                                                                                                                                       GACGTCAAGTTCCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG 120
                                                                                                                                                                                            GGSGTNNNNNNNCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG 120
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                                                                                                                                                                                                                                                                                                             Score 287.2; DB 3;
Pred. No. 1.9e-71;
4; Mismatches 27;
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RESULT 13
US-08-441-970-62
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GENERAL INFORMATION:
APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT IMPORMATION:
ANDREY/AGENT IMPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 549 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: NOTE EZEKIEL SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: STREET: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/0: FILING DATE: 16-MAY-1995 CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: U
ZIP: 02210
                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                           121 GGCCCAGGNNGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCACAACCTCGTGGC 180
121
                                                                                                                                                                                                                        295;
                                                                                                          61
                                                                     61 GACGTCAAGTTCCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                                                                                                                                                         1 ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCTCAK
                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                           nucleic acid
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                                                                                                          GGSGTNNNNNNNCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
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 GGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA 180
                                                                                                                                                ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
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                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                       DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HCV GENOMIC DIAGNOSTICS
                                                                                                                                                                                                                                       87.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62:
                                                                                                                                                                                                                    Score 287.2; DB 3; Length 549; Pred. No. 1.9e-71; 4; Mismatches 27; Indels 0
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RESULT 14
US-08-150-204E-96
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                                                                            ; SEQUENCE US-08-150-204E-96
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GENERAL INFORMATION:
 Query Match
Best Local Similarity
Matches 296; Conserv
                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 96
SEQUENCE CHARACTERISTICS:
LENGTH: 9472 base pairs
                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: KR 91-9510
FILING DATE: 10-JUN-1991
APPLICATION NUMBER: KR 91-13601
FILING DATE: 6-AUG-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC/pentium
OPERATING SYSTEM: WINDOWS
SOPTWARE: MICROSOFT WORD
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/150,204E
FILING DATE: 20-Apr-1994
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                  NAME: Shahan Islam, Esq.
REGISTRATION NUMBER: 32,507
REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 940-8564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KIM, Chun Hyung
KIM, Sung Taek
YANG, Jae Young
TITLE OF INVENTION: HEPATITIS C DIAGNOSTICS AND VACCINES
NUMBER OF SEQUENCES: 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44MB storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: YANG, Jae Young
STREET: 386-1, Doryong-dong,
                                                                                                                                  FEATURE:
                                                                                                                                                    MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CHO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            301
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CGCGGCTCTCGGCCTAGCTGGGGCCC 326
                                                                                                                                                                       TYPE: nucleic acid STRANDEDNESS: double TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: Daejeon
COUNTRY: Republic of Korea
ZIP: 305-340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGCGGCTCTCGGCCCAATTGGGGCCC
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                                                                                             OTHER INFORMATION: F
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87.8%;
ilarity 90.5%;
Conservative
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SO, Hong Seob
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                                                                                                                                                                                                                                                                                        940-8776
 Score 287; DB 3; Length 9472; Pred. No. 5.2e-71; 3; Mismatches 28; Indels
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     <u>,</u>
     Gaps
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RESULT 15
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US-08-290-665A-111
                                                                   REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 111:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 111, Application US/08290665A Patent No. 5882852
                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/290
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: BUKH, J.,
APPLICANT: PURCELL,
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 263
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                     ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                     ORGANISM:
             ORGANISM: homosapiens
INDIVIDUAL ISOLATE: D1
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                   CGCGGCTCTCGGCCCAATTGGGGCCCC 327
                                                                            TATCCTTGGCCCCTCTATGGCAATGAGGGCTGCGGGTGGGCGGGGNTGGCTCCTGTCCCCC 300
                                                                                                                                         AGGCGACAGCCTATCCCCAAGGCTCGYCGGYCCGAGGGCAGGTCCTGGGCTCAGCCCGGG
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CGCGGCTCCCGGCCTAGTTGGGGCCCCC
                                                            TACCCTTGGCCCCTCTATGGCAACGAGGCTTGGGGTGGGCAGGATGGCTCCTGTCACCC
                                                                                                                        AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGTAGGGCCTGGGCTCAGCCCGGG
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Pred. No. 2.9e-71;
4; Mismatches 28;
327
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Search completed: January 11, 2006, 04:37:36 Job time: 82.2663 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
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1: /cgn2_6/ptodata/1
2: /cgn2_6/ptodata/1
3: /cgn2_6/ptodata/1
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Query
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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
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/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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                                                                      US-08-836-075A-3
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US-08-827-597-5
US-08-928-757-5
US-08-928-757-47
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US-08-612-973-13
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Sequence 30,
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Sequence 49,
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GENERAL INFORMATION:
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66.6					68.8	68.8	69.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5
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Sequence 3, Appli	Sequence 3, Appli	Sequence 21, Appl	Sequence 39, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	-	•	•					Sequence 1, Appli	Sequence 6, Appli	Sequence 4, Appli	-	•	•	Sequence 18, Appl
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Sequence 1, 307.4 68.8 1037 2 US-08-636-83-1 Sequence 3, 307.4 68.8 1037 2 US-08-636-83-3 Sequence 3, 308-65.6 1037 2 US-08-636-883-3 Sequence 3, 309.6 69.1 501 2 US-08-636-883-3 Sequence 3,	310.6 69.5 93.2 2 US-08-081-072-15 Sequence 15, 110.6 69.5 93.2 2 US-08-499-093A-15 Sequence 15, 110.6 69.5 9472 3 US-08-150-204E-96 Sequence 16, 110.6 69.5 95.9 3 US-09-014-416-4 Sequence 4, 110.6 69.5 95.9 3 US-09-014-416-6 Sequence 6, 110.6 69.3 11076 3 US-09-0139-601-19 Sequence 19, 110.6 69.3 110.76 3 US-09-539-601-19 Sequence 19, 110.76 3 US-09-539-601-25 Sequence 21, 110.76 3 US-09-539-601-25 Sequence 22, 110.76 3 US-09-539-601-25 Sequence 23, 110.76 3 US-09-539-601-25 Sequence 24, 110.76 3 US-09-539-601-25 Sequence 28, 110.76 3 US-09-539-601-25 Sequence 28, 110.76 3 US-09-539-601-31 Sequence 28, 110.76 3 US-09-539-601-31 Sequence 28, 110.76 3 US-09-631-28 Sequence 28, 110.79 Sequence 19, 110.79 Sequence 29, 110.79 Sequence 39, 110.79 Sequence 31, 1

ALIGNMENTS

THERAPEUTIC AND DIAGNOSTIC

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: DCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1994
PRIOR APPLICATION NUMBER: EP 94870166.7
FILING DATE: 23 Uct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 23 Unu 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER: 29,775
REFERENCE/DOCKET NUMBER: 19,775
REFERENCE/DOCKET NUMBER: 11NNS:004
INFORMATION FOR SEQ ID NO: 3:
                                            SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
TOPOLOGY: 1 MOLECULE TYPE:
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ZIP: 77210-4433
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D. BOX 4433
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Best Local Similarity
Matches 447; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7, Application US/08836075A Patent No. 6180768
GENERAL INFORMATION:
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                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
COMPUTER: DC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                           APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION UNMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION UNMBER: PCT/EP95/04155
                                                                                                                                       SOFTWARE: Microsoft Word 6.0 / CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
    PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                  STREET:
CITY: H
                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 77210-4433
                APPLICATION NUMBER: EP 9 FILING DATE: 21 Oct 1994
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AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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                                EP 94870166.9
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STREET: 1100 NORTH GLEBE ROAD CITY: ARLINGTON STATE: VIRGINIA COUNTRY: 11 ^ ZIP.
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RESULT 3
US-08-612-973-5
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FILING DATE: 28 Jun 1995
ATTORNEY, AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE, POCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDENNESS: single
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                                                                                                                              Sequence 5, Application US/08612973 Patent No. 6150134
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Best Local Similarity
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                                                                                                               GENERAL INFORMATION:
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HYPOTHETICAL: N
ANTI-SENSE: NO
APPLICANT: DE MARTYNOFF, GUY
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PROTEINS
TITLE OF INVENTION: PROTEINS
                                                                           APPLICANT:
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Pred. No. 3.2e-
5; Mismatches
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 10FORMATION:
TELECOMMUNICATION 10FORMATION:
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APPLICATION NUMBER: US
FILING DATE: 11-MAR-19
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NAME/KEY:
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STRANDEDNESS: single
TOPOLOGY: linear
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                                                                 CTCTGCGGATCTGTCTTCCTCGTCTCCCAGCTGTTCACCATCTCGCCTCGCCGGCATGAG 546
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Pred. No. 5.5e-92;
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RESULT 4 US-08-927-597-5 ; Sequence 5, Application US/08927597

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US-08-927-597-5
                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (703) 816-40
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                   LOCATION:
FEATURE:
NAME/KEY:
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APPLICANT: BUYSE, MA-
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 141
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 795 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 0 FILING DATE: 11-MAR-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 795 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: ARLINGTON
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                               307
                                                     181 ATCATGCACTACCCAGGGTGCGTGCCCTGCGTTCGGGATAACCATCTCCGCTGCTGG
                                                                                              247
                                                                                                                121 GTGTATCATGTCACCAACGACTGTTCCAACTCGAGCATCATCTATGAGATGGACGGTATG
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 241 ATGGCGCTCACCCCCACGCTTGCGGTCAAAAAYGCTAGTGTCCCCACTRCGGCAATCCGA 300
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                               ATCATGCACACCCCCGGGTGCGTGCCCTGCGTTCGGGAGAACAACTCTTCCCGCTGCTGG
                                                                                              ATGTACCATGTCACGAACGACTGCTCCAACTCAAGCATTGTGTATGAGGCAGCGGACATG
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DE MARTYNOFF, GUY
BUYSE, MARIE-ANGE
BUYSE, PURIFIED I
NVENTION: PROTEINS I
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1100 NORTH GLEBE ROAD
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                                                                                                                                                                                                                                                                                                      Score 321.8; DB 3
Pred. No. 5.5e-92;
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US-08-928-757-5
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PATENT NO. 6899737
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
Query Match
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/928,757

FILING DATE: 12-Sep-1997

CLASSIFICATION: 435

PRIOR APPLICATION NUMBER: US/08/612,973

APPLICATION NUMBER: US/08/612,973
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DE MARTYNOFF, GUY
BUYSS, MARIE-ANGE
TITLE OF INVENTION: PUBLIFIED HEPATITIS C VIRUS ENVELOPE
PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 795 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                            NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487-10
TELECOMMUNICATION INFORMATION:
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CORRESPONDENCE ADDRESS:
                                                    SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                          FEATURE:
                                                                                                                                                                                ANTI-SENSE: NO
                                                                                                                                                                                                 HYPOTHETICAL: NO
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                                                                                                                          NAME/KEY:
LOCATION:
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STATE: VIRGINIA
COUNTRY: U.S.A.
                                                                      NAME/KEY: mat_peptide LOCATION: 1..789
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TELEFAX: (703) 816-4100
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                                                                                                                                           CDS
                                                                                                                          1..792
72.0%;
Score 321.8;
                                                     <u>ب</u>
DB 3;
Length 795;
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US-08-612-973-47
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                                                               COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EF
CURRENT APPLICATION DATA;
APPLICATION NUMBER: US/08/612,973
FILING DATE: 11-MAR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION UMBER: 32,205
REFERENCE/DOCKET NUMBER: 1467-10
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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                TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: '
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SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                            CITY: ARLINGTON
                                                    TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                             U.S.A.
                                                    (703) 816-4000
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(EPO)

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Best Local Similarity
                                                                                    APPLICANT: BOSMAN, FI
APPLICANT: DE MARTYN
APPLICANT: BUYSE, MA
TITLE OF INVENTION:
TITLE OF INVENTION:
                                          CORRESPONDENCE ADDRESS:
                                                                   NUMBER OF SEQUENCES:
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                                                                                    MAERTENS, GEERT
BOSMAN, FONS
DE MARTYNOFF, GUY
BUYSE, MARIE-ANGE
NVENTION: PURIFIED H
NVENTION: PROTEINS
1100 NORTH GLEBE ROAD
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                                                                                         HEPATITIS C VIRUS ENVELOPE FOR DIAGNOSTIC AND THERAPEUTIC USE
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RESULT 7
US-08-927-597-47
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US-08-612-973-47
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: MAERTE
APPLICANT: BOSMAN
                                                                                                                                          APPLICANT: MAERTENS, GEERT
APPLICANT: BOSMAN, FORS,
APPLICANT: DE MARTYNOFF, GUY
APPLICANT: DE MARTYNOFF, GUY
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PURIFIED HEPATITIS C VIRUS ENVELOPE
TITLE OF INVENTION: POPEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
NUMBER OF SEQUENCES: 111
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
NAME/KEY:
                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPULCAL: CD
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LOCATION:
                                                                ADDRESSEE: NIXON & VANDERHYE P.C. STREET: 1100 NORTH GLEBE ROAD CITY: ARLINGTON STATE: VIRGINIA
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linear
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Pred. No. 8.4e-92;
4; Mismatches 78
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US-08-927-597-47
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REFERENCE/DOCKET NUMBER: 1487
TELECHONUNICATION INFORMATION:
TELEPHONE: (703) 816-4100
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 81.7%;
Matches 365; Conservative
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FEATURE:
NAME/KEY:
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HYPOTHETICAL: N
ANTI-SENSE: NO
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FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/927,597
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ACGGTGCAGGACTGCAATTGCTCAATC 573
                           ACAACGCAGGAGTGCAACTGCTCAATC 447
                                                                                        CTTTGCGGGTCTGTCTTCCTCGCTGGCCAGCTATTCACCTTTTCACCCCGCATGCACCAT 420
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Pred. No. 8.4e-92;
4; Mismatches 78
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RESULT 8 US-08-928-757-47

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Matches
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                                                                                                                                                                                                                                                                                                                                    Query Match
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GENERAL INFORMATION:
APPLICANT: MAERTENS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 47:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPACTIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Ve)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,757
FILING DATE: 12-Sep-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UDMBER: US/08/612,973
FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                               Local
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 2082 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: BYRNE, THOMAS B.
REGISTRATION NUMBER: 32,2
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ANTI-SENSE: NO
                                                                                                121 GTGTATCATGTCACCAACGACTGTTCCAACTCGAGCATCATGTATGAGATGGACGGTATG 180
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 307
                       181 ATCATGCACTACCCAGGGTGCGCTGCGTTCGGGAGGATAACCATCTCCGGCTGCTGG 240
                                                                           247 ATGTACCATGTCACGAACGACTGCTCCAACTCAAGCATTGTGTATGAGGCAGCGGACATG
                                                                                                                                                                        61 GCTTTGCTGTCCTGGACGGTTCCAACKACCGCTCACGAGGTGCGCAACGCATCCGGG 120
                                                                                                                                                                                                                                                                                                al Similarity 81.7
365; Conservative
                                                                                                                                                                                                                                                   GCTTTGCTGTCCTGACCGTTCCAGCTTCCGCTTATGAAGTGCGCAACGTGTCCGGG
                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY:
LOCATION:
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LOCATION:
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ATCATGCACACCCCCGGGTGCGTGCCCTGCGTTCGGGAGAACAACTCTTCCCGCTGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
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BUYSE, MARIE-ANGE
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81.7%;
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                                                                                                                                                                                                                                                                                              Score 321.8; DB 3;
Pred. No. 8.4e-92;
4; Mismatches 78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32,205
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                                                                                                                                                                                                                                                                                                                                  Length 2082;
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                                                                   US-08-612-973-49
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Patent No. 6
Query Match
Best Local Similarity
Matches 365; Conserv
                                                                                                                                                                                                                                                                                       TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                               TOPOLOGY: 1i
MOLECULE TYPE:
HYPOTHETICAL: 1
                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION UMBER: 32,205
REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
                                                                                                 FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PURIFIED
TITLE OF INVENTION: PROTEING
NUMBER OF SEQUENCES: 111
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                                                                                                                                                FEATURE:
NAME/KEY:
                                                                                                                                                                              ANTI-SENSE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/612,973
FILING DATE: 11-MAR-1996
CLASSIFICATION: 435
                                                                                                                                 LOCATION:
                                                                                   LOCATION:
                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
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ilarity 81.7%;
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BUYSE, MARIE-ANGE
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 Score 321.8; DB 3; Pred. No. 9.1e-92; 4; Mismatches 78;
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FOR DIAGNOSTIC AND THERAPEUTIC USE
                                 Length 2433;
   0
   Gaps
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SEQUENCE CHARACTERISTICS:

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RESULT 10
US-08-927-597-49
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GENERAL INFORMATION:
APPLICANT: MAERTENS
APPLICANT: BOSMAN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 49, Application US/08927597 Patent No. 6245503
           ZIP: 22214-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ver
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/927,597
FILING DATE:
CLASSIFICATION DATA:
APPLICATION HOMBER: US 08/612,973
APPLICATION NUMBER: US 08/612,973
FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 32,205
REGISTRATION NUMBER: 32,205
REGISTRATION NUMBER: 32,205
REGISTRATION NUMBER: 1487-10
TELEPHONE: (703) 816-4000
TELEPHONE: (703) 816-4000
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: DE MARTYNOFF, GUY
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PURIFIED HEPATITIS C VIRUS ENVELOPE
TITLE OF INVENTION: PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                             CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
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1100 NORTH GLEBE ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BOSMAN, FONS
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                                                                                                                                                                                                                                                                                 Version
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; FEATURE:
; NAME/KEY:
; LOCATION:
US-08-927-597-49
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                                                                                                                                                                                                           Sequence 49, Application US/08928757
Patent No. 6890737
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
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Tocal Similarity
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HYPOTHETICAL: N
ANTI-SENSE: NO
FEATURE:
           NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSES: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
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TOPOLOGY: linear
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COMPUTER READABLE FORM
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                                                                                                                                  BUYSE, MARIE-ANGE OF INVENTION: PURIFIED PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                              CTCTGCGGATCTGTCTTCCTCGTCTCCCAGCTGTTCACCATCTCGCCTCGCCGGCATGAG
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DE MARTYNOFF, GUY
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81.7%;
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Pred. No. 9.1e-92;
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                                                                                                                                   HEPATITIS C VIRUS ENVELOPE FOR DIAGNOSTIC AND THERAPE
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MEDIUM TYPE: Floppy disk

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FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487-10
TELECOMMUNICATION INFORMATION:
TELEFAX: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 49:
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Best Local Similarity
Matches 365; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 2433 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,757
FILING DATE: 12-Sep-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO:
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LOCATION:
 ACAACGCAGGAGTGCAACTGCTCAATC 447
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81.7%; Pred. No. 9.1e-92;
tive 4; Mismatches 78
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Best Local Similarity
Matches 364; Conserv
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Patent No. 5866139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 202-408-4400 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Brecho
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ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 0528
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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APPLICANT: Porchon, Colette
TITLE OF INVENTION: Nucleotide ar
TITLE OF INVENTION: Hepatitis C \
TITLE OF INVENTION: Applications
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DESCRIPTION:
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APPLICATION NUMBER: 1
FILING DATE: 18-MAR-
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 501 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 1300 I St
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Finnegan, Hender ADDRESSEE: Dunner STREET: 1300 I Street, N.W.
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                      241
                                                        189
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ATGGCGCTCACCCCCACGCTTGCGGTCAAAAAYGCTAGTGTCCCCACTRCGGCAATCCGA
                                                                             ATCATGCACTACCCAGGGTGCGTGCCCTGCGTTCGGGAGGATAACCATCTCCGCTGCTGG
                                                                                                                                                    GTGTATCATGTCACCAACGACTGTTCCAACTCGAGCATCATCATGAGATGGACGGTATG
                                                                                                                                                                                                                          GCTTTGCTGTCCTGCTTGACGGTTCCAACKACCGCTCACGAGGTGCGCAACGCATCCGGG
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                                                        ATCATGCATACTCCCGGGTGCGTGCCCTGCGTTCGGGAGGACAACAGCTCCCGTTGCTGG
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Pred. No. 1.4e-91;
4; Mismatches 79
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                                                                                              240
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US-07-965-285-30
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                                                                                     Matches
                                                                                                  Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                               TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO:
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APPLICANT:
                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 501 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 91 06
FILING DATE: 06-JUN-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/965,285
FILING DATE: 18-MAR-1993
                                                                                                                                                           MOLECULE TYPE:
DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READAE MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 1500
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                    NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 057
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0
                                                                                                                                                                                        TOPOLOGY:
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                                                                                   364; Conservative
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TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTITGCGGGTCTGTCTTCCTCGCTGGCCAGCTATTCACCTTTTCACCCCGCATGCACCAT 420
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GCTTTGCTGTCCTGCTTGACGGTTCCAACKACCGCTCACGAGGTGCGCAACGCATCCGGG 120
                                                         GACGGCGTGAACTATGCAACAGGGAACTTGCCCGGTTGCTCTTTCTCTATCTTCCTCTTG 60
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                                                                                                                                                                                         linear
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Dunner
                                                                                                                                                                                                                                                                                          202-408-4000
                                                                                                                                                         cDNA to genomic RNA
                                                                                                                                                                        Other
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Hepatitis C Virus Isolate, Diagnostic
Applications
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                                                                                                                                                                                                                                                                 30:
                                                                                   4; Mismatches
                                                                                                  Score 320.2; DB 2
Pred. No. 1.4e-91;
                                                                                                                                                                                                                                                                                                                       05286-0001-00000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Version
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                                                                                                                DB 2;
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                                                                                                                Length
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US-08-487-231-30
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                   TELEFAX: 202-408-4400 INFORMATION FOR SEQ ID NO:
                                                                                                                                                          APPLICATION NUMBER: US 07/9
FILING DATE: 18-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: FR 91 0
FILING DATE: 06-JUN-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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APPLICANT: POTCHON, C
TITLE OF INVENTION: N
TITLE OF INVENTION: A
TITLE OF INVENTION: A
NUMBER OF SEQUENCES:
                                                                     NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 055
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Rel CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 1300 I St
CITY: Washington
                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
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ADDRESSEE: Dunner
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                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
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Porchon, Colette
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                                                             202-408-4000
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Hepatitis C Virus Isolate, Diagnostic
Applications
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                   30:
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RESULT 15
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                                                                                                                                                                                                                                                APPLICANT: Brechot, Christian
APPLICANT: Kremsdorf, Dina
APPLICANT: Porchon, Colette
TITLE OF INVENTION: Nucleotide (
TITLE OF INVENTION: Hepatitis C
TITLE OF INVENTION: Application
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 501 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
                                                            ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
          SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,91:
                                                                                                                                                STATE: D
                                                                                                                                                                                     STREET:
CITY: W
                                                                                                                                                                                                   ADDRESSEE: Finnegan, Henderson,
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
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FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            421
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                                                                                                                                                    USA
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81.4%;
              US/09/201,912
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Pred. No. 1.4e-91;
                                                                                                                                                                                                                                       Farabow, Garrett
                                                 Version
                                                 #
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Diagnostic
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Search completed: January 11, Job time : 113.089 secs

2006, 04:37:38

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 501 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
DESCRIPTION:
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ATTORNEY/AGENT INFORMATION:
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REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05286-0001-00000
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                                                                              CTTTGCGGGTCTGTCCTCGCTGGCCAGCTATTCACCTTTTCACCCCCGCATGCACCAT
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                            ACAACGCAGGAGTGCAACTGCTCAATC 447
                                                         CTCTGCGGATCTGTTTTCCTCGTCTCCCAGCTGTTCACCTTCTCGCCTCGCCGCATGAG
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1: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

7: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

8: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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Maximum Match 100%
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GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd.
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US-08-421-63-64
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US-08-290-665A-113
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US-08-290-665A-115
US-08-290-665A-115
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RESULT 1 US-08-836-075A-5

ALIGNMENTS

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	•	13, Appl	•	11, Appl	•	11, Appl	11, Appl	3, Appli	3, Appli	3, Appli	 Appli 	9, Appli	9, Appli	9, Appli	9, Appli	•	25, Appl	37, Appl	37, Appl	121, App	٠

; Sequence 5, Application US/08836075A Patent No. 6180768 ; GENERAL INFORMATION: APPLICANT: MAERTENS, GEERT APPLICANT: STUTYVER, LIEVEN TITLE OF INVENTION: NEW SEQUENCES (TITLE OF INVENTION: AND THEIR USE) TITLE OF INVENTION: AGENTS REGISTRATION NUMBER: 29,775 REFERENCE/DOCKET NUMBER: INI INFORMATION FOR SEQ ID NO: 5: APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: COUNTRY: USA ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Ploppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: TOPOLOGY: 1 MOLECULE TYPE: SEQUENCE CHARACTERISTICS: CURRENT APPLICATION DATA: APPLICATION NUMBER: US, CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: STRANDEDNESS: single STATE: TEXAS CITY: HOUSTON STREET: ADDRESSEE: LENGTH: nucleic acid KAMMERER, PATRICIA A. P.O. linear ARNOLD, WHITE O. BOX 4433 NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN AGENTS 207 INNS:004 & DURKEE THERAPEUTIC AND DIAGNOSTIC

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APPLICANT: Liu, Margaret A.
APPLICANT: Shiver, John W.
APPLICANT: Shiver, John W.
TITLE OF INVENTION: SYNTHETIC HEPATITIS C GENES
FILE REFERENCE: 19732YE
CURRENT APPLICATION NUMBER: US/09/194,949A
CURRENT FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: PCT/US97/09884
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/020,494
PRIOR FILING DATE: 1996-06-11
PRIOR APPLICATION NUMBER: 60/033,534
PRIOR APPLICATION NUMBER: 08/083,534
PRIOR FILING DATE: 1996-12-20
PRIOR FILING DATE: 1996-12-30
PRIOR FILING DATE: 1996-12-30
PRIOR FILING DATE: 1997-05-30
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                                                                                                                                                                                                                                                                               SEQ ID NO 5
LENGTH: 573
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Best Local Similarity
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                                                                                                                                                   Matches
                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Hepatitis C Virus
-09-194-949A-5
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APPLICANT: Donnelly, J
APPLICANT: Fu, Tong-Mi
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Similarity 93.3%;
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 GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGG
                                                                                                            ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
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                                                                                                                                                   Conservative
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                                                                                                                                                   0,
                                                                                                                                               Score 293.6; DB 3;
Pred. No. 1.7e-79;
0; Mismatches 22;
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INDIVIDUAL ISOLATE: SW2
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                                                                  Query Match
Best Local Similarity
Matches 304; Conserv
                                                                                                                                                                                                                                                                                                    TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 110
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APPLICANT: PURCELL, R
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: C
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TITLE OF INVENTION: S
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FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                            ORIGINAL SOURCE:
ORGANISM: hom
                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION UNDER-
CORRENT APPLICATION UNDER-
COMPUTED NOTA-
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LENGTH: 573 base pairs
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TOPOLOGY: 1ii
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                                                                                                                                                                                                                                                TYPE: nucleic acid
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 ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
                    ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCCAACCGCCGCCCACAG
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                                                                      Conservative
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NUCLEOTIDE AND DEDUCED
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                                                                  Score 292; DB 2; L
Pred. No. 5.1e-79;
0: Mismatches 23;
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RESULT 4
PCT-US95-10398-116
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                                                                                                                                                                                                                                                                                         CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/086,428

FILING DATE: 29 JUNE 1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/290/665

FILING DATE: 15 AUGUST 1994

ATTORNEY/AGENT INFORMATION:

NAME: RICHARD W. BORK
                                                                                                                                TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: BUKH, J.,
APPLICANT: PURCELL,
TITLE OF INVENTION:
                                                                                                                                                                                                               REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                   ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
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ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: TITLE OF INVENTION: NUMBER OF SEQUENCES:
                                                      LENGTH: 573 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: FILING DATE: 15-AU
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STATE: NEW YORK
INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                 (212) 751-6849
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15-AUG-1995
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SW2
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RESULT 5
US-08-441-971-64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 64, Application US/08441971
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APPLICATION NUMBER: 07/697,326
FILLING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: UPPILING DATE: 16-MAY-11
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UPPILICATION NUMBER: UPPIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEB: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/07/881,528 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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16-MAY-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   89.3%;
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Pred. No. 5.1e-79;
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INFORMATION FOR SEQ ID NO:

SEQUENCE CHARACTERISTICS:

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US-08-221-653-64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 64, Application 1
Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
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Best Local Similarity
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY,AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE,DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                  SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147
                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                   ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Wolf, Greenfield
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                    APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                  COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                        STATE:
                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 AGGCGACAGCCTATTCCTAAGGCTCGCCAGTCCGATGGCAGNNCCTGGGCTCAGCCAGGG
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                                                                                                                                                                                                                                                                                                                                                                        Boston
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                                                                                                                                                                                                                                                                                                                                                       Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CGCGGCTCTCGGCCCAGTTGGGGCCCC 327
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                                                                                                                                                                                                                                                                                                                                                                                    600 Atlantic Avenue
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                                                                                                                                                                                                                                                       MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.3%;
                                                                                                                                     US/07/881,528
                                                                                                  07/697,326
                                                                                                                                                                                                     US/08/221,653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
                    C0772/7000
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Pred. No. 4.1
                                                                                                                                                                                                                                                                                                                                                                                                       & Sacks, P.C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4.8e-78;
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RESULT 7
US-08-442-144A-64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 64, Application US/08442144A
Patent No. 6214583
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
              COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
                                                                                                                                      ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Bruce Irvine
APPLICANT: Michael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA ORIGINAL SOURCE:
                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 1.
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Co
PRIOR APPLICATION DATA:
                                                                                                                                                                                        STATE: C
                                                                                                                                                                                                          STREET: 4560 Horton Street CITY: Emeryville STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single TOPOLOGY: linear
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17) 720-2441
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Pred. No. 4.8e-78;
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US-08-441-970-64
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                                                                                                                                                                                                                                                                                                  Sequence 64, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
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Best Local 9
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SEQUENCE CHARACTERISTICS:
LENGTH: 549 Nucleotide
             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IEM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WOrdPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                              TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147
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ATTORNEY/AGENT INFORMATION:
NAME: DOTECT YALKO TRUJILLO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                     STATE: M
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US/08/441,970
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Pred. No. 4.8e-78;
0; Mismatches 25;
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GENERAL INFORMATION:

J.,

MILLER, R.H. AND

APPLICANT: BURH, J,
APPLICANT: PURCELL,
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: C
TITLE OF INVENTION: C
TITLE OF INVENTION: S
TITLE OF INVENTION: S
TITLE OF INVENTION: S

NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORGAN & FINNEGAN

Y: 345 PARK AVENUE NEW YORK

STREET:

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US-08-290-665A-113
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Patent No.
            Sequence 113,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: il
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APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 549 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
nes 302; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Janiuk, Anthony
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ENGTH:
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5882852
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                                                                                                                  CGCGGCTCTCGGCCCAGTTGGGGCCCC 327
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                                                                                               CGCGGCTCCCGGCCTAGTTGGGGCCCCC 327
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            Application US/08290665A
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92.4%;
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Pred. No. 4.8e-78;
0; Mismatches 25;
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, INDIVIDUAL ISOLATE: P10 US-08-290-665A-113
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TELEFAX: (21.
TELEX: 42.792
TELEX: 42.792
TELEX: 42.792
TELEX: 12.792
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US-08-290-665A-114
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Best Local :
                          APPLICANT: BUKH, J., MILLE
APPLICANT: PURCELL, R.H.
TITLE OF INVENTION: NUCLEC
TITLE OF INVENTION: CORE C
TITLE OF INVENTION: AND TH
TITLE OF INVENTION: AND TH
TITLE OF INVENTION: SEQUEN
NUMBER OF SEQUENCES: 263
                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
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FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORIGINAL SOURCE:
      CORRESPONDENCE ADDRESS:
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                                                       NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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Pred. No. 4.8
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; Sequence 115, Application US/08290665A
; Patent No. 5882852
; GENERAL INFORMATION:
; APPLICANT: BUKH, J., MILLER, R.H. AN
APPLICANT: PURCELL, R.H.
TITLE OF INVENTION: NUCLEOTIDE AND D
TITLE OF INVENTION: CORE GENES OF IS
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RESULT 11
US-08-290-665A-115
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/290,665.

FILING DATE: 15-AUG-1994

CLASSIFICATION: 435
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TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
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STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
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INDIVIDUAL ISOLATE: DK1
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TYPE: nucleic acid
STRANGER: single
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92.4%;
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BER: 207
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Pred. No. 4.8e-78;
0; Mismatches 25;
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NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE
CORE GENES OF ISOLATES OF HEPATITIS (

MILLER, R.H. AND

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RESULT 12
US-08-290-665A-118
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              Sequence 118, Application US/08290665A Patent No. 5882852 GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/290,665A
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
PREPERENT PROPERTY NUMBER: 2026-44116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 263
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORIGINAL SOURCE:
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MEDIUM TYPE: FLOPPY DISK
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APPLICANT: BUKH, J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (212) 751-6849
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CITY: NEW YORK
STATE: NEW YORK
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TOPOLOGY: linear
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STREET: 34
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92.4%;
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   MILLER, R.H. AND
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 288.8; DB 2;
Pred. No. 4.8e-78;
"" matches 25;
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RESULT 13 PCT-US95-10398-113

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NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026:
TELECOMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
TELEFX: 421792
INFORMATION FOR SEQ ID NO: 118:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: PURCELL, I
TITLE OF INVENTION: I
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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity hes 302; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: homosapiens INDIVIDUAL ISOLATE: IND8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDENESS: single
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                                                                                                                                                                               181 AGGCGACAGCCTATTCCTAAGGCTCGCCAGTCCGATGGCAGNNCCTGGGCTCAGCCAGGG 240
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                                                                                                                                                                                                                                                                                             GACGTCAAGTTCCCGGGCGGTGGCCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG 120
                                                                                                                                                                                                                                                                                                                                                                    ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
                            CGCGGCTCTCGGCCCAGTTGGGGCCCCC
                                                                      CACCCTTGGCCCCTCTATGGCAATGAGGGCTTGGGGTGGGCAGGATGGCTCCTGTCACCC
                                                                                                        CATCCCTGGCCCCTCTATGGCAATGAGGCCTGCGGATGGCCGGGATGGCTCCTGTCCCCC 300
                                                                                                                                                                                                                       GGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
 CGCGGCTCTCGGCCTAGTTGGGGCCCCC
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NUCLEOTIDE AND DEDUCED

AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND

CORE GENES OF ISOLATES OF HEPATITIS C VIRUS

AND THE USE OF REAGENTS DERIVED FROM THESE

SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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Pred. No. 4.8e-78;
 327
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PCT-US95-10398-113
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TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO:
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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APPLICANT:
TITLE OF INV
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APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: FLOPPY DISK
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ADDRESSEE: MORGAN &
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241 CATCCCTGGCCCCTCTATGGCAATGAGGGCTGCGGATGGGCGGGATGGCTCCTGTCCCCC
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                                                                                     181 AGGCGACAGCCTATTCCTAAGGCTCGCCAGTCCGATGGCAGNNCCTGGGCTCAGCCAGGG
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                                                                                                                      GGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
                                                                                                                                                                                                                                                               ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
                                                     AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAGGGCCTGGGCTCAGCCCGGG
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92.4%;
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                                                                                                                                                                                                                                                                                                                                              Score 288.8;
Pred. No. 4.
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                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/66
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: BUKH, J.,
APPLICANT: PURCELL,
TITLE OF INVENTION: P
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ORGANISM: homosapic
INDIVIDUAL ISOLATE:
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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
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APPLICATION NUMBER: PC:
FILING DATE: 15-AUG-19
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PRIOR APPLICATION DATA:
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ADDRESSEE: MORGAN & FINNEGAN
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                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 08/08 FILING DATE: 29 JUNE 1993
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                               Local Similarity
les 302; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                 ENGTH:
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121 GGCCCCAGGTTGGGTGTGCGCGCGACCAGGAAGACTTCCGAGCGGTCGCAGCCTCGTGAC 180
                                                                                                                                                ATGAGCACGAATCCTAAACCTCAAAGGAAAAACCAAACGTAACACCAACCGCCGCCGACAG
                                                                               GACGTCAAGNTCCCGGGTGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG 120
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                                                                                                                      ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
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                                                                                                                                                                                                                    88.3%;
92.4%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
                                                                                                                                                                                                                                                                                                   DK1
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                                                                                                                                                                                         Score 288.8; Ub (, Pred. No. 4.8e-78;
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                                                                                                                                                                                                                                      Length 573;
                                                                                                                                                                                                 Indels
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RESULT 15
PCT-US95-10398-115
; Sequence 115, Application PC/TUS9510398
; GENERAL INFORMATION:

MILLER, R.H. A
                                             INDIVIDUAL ISOLATE: T10 PCT-US95-10398-115
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Query Match
Best Local Similarity
Matches 302; Conserva
                                                                                                                                                                                                                          TELEFAX: (212) 751-684
TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/080
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 207
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10:
FILING DATE: 15-AUG-1995
                                                                                                                      ORIGINAL SOURCE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: BUKH, J., MILLER, R.H. AND APPLICANT: PURCELL, R.H.
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CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                             TELEPHONE: (212) 751-6849
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                88.3%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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Score 288.8; DB 6;
Pred. No. 4.8e-78;
0; Mismatches 25;
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                                Length 573;
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                   CGCGGCTCTCGGCCCAGTTGGGGCCCC
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Search completed: January 11, 2006, 04:37:38
Job time: 81.2663 secs

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Result
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Scoring table:
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DB seq length: 2000000000
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312.2.2
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1: /cgn2_6/ptodata/l/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/l/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/l/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/l/ina/6A_COMB.seq:*

5: /cgn2_6/ptodata/l/ina/PTUS_COMB.seq:*

6: /cgn2_6/ptodata/l/ina/PTUS_COMB.seq:*

7: /cgn2_6/ptodata/l/ina/PE_COMB.seq:*

8: /cgn2_6/ptodata/l/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/l/ina/Backfiles1.seq:*
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2082
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22433
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                                                                US-08-836-075A-7
US-08-838-075A-3
US-08-828-7597-7
US-08-928-757-7
US-08-928-757-7
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US-08-928-757-7
US-08-928-757-2
US-08-483-65-285-28
US-08-487-231-28
US-08-612-973-5
US-08-927-597-5
US-08-612-973-7
US-08-612-973-47
US-08-928-757-49
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                           TOPOLOGY: 1
MOLECULE TYPE:
      HYPOTHETICAL:
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	288.2	289.8	294.6	294.6	294.6	301	303.2	303.2	303.2	303.2	304.2	304.2	304.2	304.2		304.2	305.8	307.4	307.4	307.4	307.4
	64.5	64.8	65.9	65.9		67.3		67.8	67.8	67.8	68.1	68.1	68.1	68.1		68.1	68.4	68.8	68.8	68.8	68.8
	1037	9275	9599	9595	9413	2116	11076	11076	11076	11076	1863	1539	501	501	501	501	9472	932	932	742	742
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	US-08-462-195-3	US-10-259-275-39	US-09-014-416-6	US-09-014-416-4	US-09-827-688-6	US-08-191-160-21	US-09-539-601-31	US-09-539-601-25	US-09-539-601-19	US-09-539-601-1	US-08-470-426B-14	US-08-470-426B-17	US-09-201-912-30	US-08-487-231-30	US-07-965-285-30	US-08-483-695-30	US-08-150-204E-96	US-08-449-093A-15	US-08-081-072-15	US-08-449-093A-18	US-08-081-072-18
,	Sequence 3, Appli	Sequence 39, Appl	Sequence 6, Appli	Sequence 4, Appli	Sequence 6, Appli	Sequence 21, Appl	•	•	Sequence 19, Appl	Sequence 1, Appli	•	•	-	Sequence 30, Appl	•	•	•	•	•	•	Sequence 18, Appl

ALIGNMENTS

Sequence 7, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION: PILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: PRIOR APPLICATION DATA: INFORMATION FOR SEQ ID NO: APPLICANT: MAERTENS, GAPPLICANT: STUYVER, LI TITLE OF INVENTION: AN TITLE OF INVENTION: AN TITLE OF INVENTION: AG NUMBER OF SEQUENCES: 2 APPLICATION NUMBER: EP 95870076.7 FILLING DATE: 28 JUN 1995 ATTORNEY/AGENT INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775 REFERENCE/DOCKET NUMBER: INNS:004 COUNTRY: USA ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC COMPUTER: DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output SEQUENCE CHARACTERISTICS: LENGTH: 447 base pairs TYPE: nucleic acid CURRENT APPLICATION DATA: APPLICATION NUMBER: US CORRESPONDENCE ADDRESS: ADDRESSEE: ARNOLD, WH STREET: P.O. BOX 4433 CITY: HOUSTON STATE: TEXAS STRANDEDNESS: single linear AGENTS 207 NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC A LIEVEN GEERT PCT/EP95/04155 WHITE & DURKEE US/08/836,075A 7: THERAPEUTIC AND DIAGNOSTIC

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RESULT 2
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Patent No
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Best Local Similarity
Matches 447; Conser
                                                                                                          STATE: TEXAS

COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text out
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                     APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 RIOR APPLICATION DATA:
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STREET: P.O. BOX 4433
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No. 6180768
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AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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US-08-612-973-7
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                                                                                                                                                                                                                                                                  Sequence 7, Application US/08612973
Patent No. 6150134
GENERAL INFORMATION:
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Best Local Similarity
Matches 396; Conserv
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FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 3:
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HYPOTHETICAL: N
ANTI-SENSE: NO
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LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                 APPLICANT: MAERTENS, GEERT
APPLICANT: BOSMAN, FONS
APPLICANT: DE MARTYNOFF, GUY
APPLICANT: DE MARTYNOFF, GUY
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                  CORRESPONDENCE ADDRESS:
                 ADDRESSEE: NIXON & VANDERHYE P.C. STREET: 1100 NORTH GLEBE ROAD CITY: ARLINGTON STATE: VIRGINIA COUNTRY: U.S.A.
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420 420 360 360 300 300 240 240 180 180 120 120 60 60 0,

COMPUTER READABLE FORM:

MEDIUM TYPE:

Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

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RESULT 4
US-08-927-597-7
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LOCATION:
US-08-612-973-7
Sequence 7, Application US/08927597
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Best Local Similarity 81.0%;
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NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
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APPLICATION NUMBER: US/08/612,973
FILING DATE: 11-MAR-1996
CLASSIFICATION: 435
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NAME/KEY:
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STRANDEDNESS: single
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                                                                                                                 421 ACAACACAGGAGTGCAACTGCTCAATC 447
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                                                                                        ACGGTGCAGGACTGCAATTGCTCAATC 573
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NO: 7:
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Pred. No. 1.5e-97;
1; Mismatches 84
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US-08-927-597-7
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INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 633 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                             Matches 362;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 6245503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION UNMBER: US 08/
APPLICATION UNMBER: 1996
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, GEERT
APPLICANT: BOSMAN, FONS
APPLICANT: BOSMAN, FONS
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PROTEINS FO
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: CDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY:
LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/927,597
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                                    307
                                                              181 ATCTTGCACGCCCCAGGGTGTGTGCCCCTGCGTTCGGGAGAACAACTCTTCTCGTTGCTGG
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                                                                                                                               121 GTATATCATCTCACCAATGACTGTTCCCAACTCGAGCATCATCTATGAGATGAGTATG
                                                                                                                                                                                187
241 ATGCCRCTCACCCCCACGCTTGCGGTCAAAGACGCTAATGTCCCTACTGCGGCAATCCGA 300
                                                                                                                                                                                                                                                        127 GACGGCGTGAACTATGCAACAGGGAATTTGCCTGGTTGCTCTTTCTCTATCTTCCTCTTG 186
                                                                                                                                                                                                   61 GCTTTTTCTGTCCTGCTTGACGGTTCCAACTACCGCTCATGAGGTGCGCAACGCATCCGGG
                                                                                                                                                                                                                                                                           GACGGCGTGAACTATGCAACAGGGAATTTGCCTGGTTGCTCTTTCTCTATCTTCTCTTA
                                                                                                          ATGTACCATGTCACGAACGACTGCTCCAACTCAAGCATTGTGTATGAGGCAGCGGACATG
                                                                                                                                                                                GCTTTACTGTCCTGACCATTCCAGCTTCCGCTTATGAGGTGCGCAACGTGTCCGGG
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                                                                                                                                                                                                                                                                                                                                                               Length 633;
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RESULT 5
US-08-928-757-7
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                                      US-08-928-757-7
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Query Match
                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PRECENTIN Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,757
FILING DATE: 12-Sep-1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487-10
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/612,973
FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AL INFURFICATE MAERTENS, GEE APPLICANT: MAERTENS, GEE APPLICANT: MAERTENS, FONS
                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: NIXON & VANDERHYE P.C.
                                                        SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR
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                                                                                                                  FEATURE:
                                                                                                                                                                          FEATURE:
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                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
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TELEFAX: (703) 816-4100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: U.S.A. ZIP: 22201-4714
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                                                                              NAME/KEY: mat_peptide LOCATION: 1..627
                                                                                                                                                      NAME/KEY:
                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                    LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION DATA:
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DE MARTYNOFF, GUY
BUYSE, MARIE-ANGE
BUYSE, MARIETIED H
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                                                                                                                                  1..630
69.8%; Score 312.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PURIFIED HEPATITIS C VIRUS ENVELOPE PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
                                                          7:
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DB
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Length 633;
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                                  FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/446,303
FILING DATE: 22-MAY-1995
APPLICATION NUMBER: US 08/074,584
FILING DATE: 11-JUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: HM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: SEKI, MAKOTO
TITLE OF INVENTION: METHOD FOR PRODUCING
TITLE OF INVENTION: HEPATITIS C VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: S
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                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: P.C. STREET: 1755 S. Jefferson Davis Highway, Suite CITY: Arlington STATE: Virginia
                                                                                                                                                                                                                                                                                                            COUNTRY: U.S.A.
ZIP: 22202
    FILING DATE:
                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
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SEKI, MAKOTO
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HONDA, YOSHIKAZU
                                                                                                                                                                                                                                                                                                                                                                                                                          OBLON,
  11-JUN-1992
                                                                                                                                                                                                                                                                                                                                                                                                                            SPIVAK, McCLELLAND, MAIER & NEUSTADT,
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                      JP 152487/1992
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1; Mismatches 84
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RESULT 7
US-08-636-883-1
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                                                                                                  Sequence 1, Application US/08636883 Patent No. 5830691 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (703) 413-2220
TELEX: 24885 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
              APPLICANT:
APPLICANT:
APPLICANT:
                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 41
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORIGINAL SOURCE:
ORGANISM: Hepatitis C virus
IMMEDIATE SOURCE:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5789544man F.
REGISTRATION NUMBER: 24,618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY:
LOCATION:
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TOPOLOGY: linear
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es 362; Conserv
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                                                                                                                                                                                                                                                              ACAACACAGGAGTGCAACTGCTCAATC 447
                                                                                                                                                                                                                                                                                                                      CTCTGCGGATCCGTCTTCCTTGTCGGCCAGCTATTCACCTTTTTCACCCCGCTTGTACCAT 420
                                                                                                                                                                                                                                                                                                                                                                                                   CGCCATGTCGACTTGCTGGTTGGGACAGCCGCGTTTCGTTCCGCTATGTACGTGGGGGAC 360
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            MIYAMURA, TATSUO
SAITO, IZUMU
MATSUURA, YOSHIHARU
HONDA, YOSHIKAZU
SEKI, MAKOTO
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METHOD FOR PRODUCING ECTOPROTEIN OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4169-003-0
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Pred. No. 2e-97;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           84;
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US-08-636-883-1
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TELEFAX: (703) 413-2220
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1037 base pairs
                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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NAME: Oblon, No. 5830691man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 4169-003-0
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
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APPLICATION NUMBER: US 08/074,584

RILING DATE: 11-UN-1993

APPLICATION NUMBER: JP 152487/1992

RILING DATE: 11-UN-1992
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ADDRESSEE: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLONE: pUC010
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CLASSIFICATION: 435
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STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
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241 ATGCCRCTCACCCCCACGCTTGCGGTCAAAGACGCTAATGTCCCTACTGCGGCAATCCGA
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                                                                                      ATCTTGCACGCCCCAGGGTGTGTGCCCCTGCGTTCGGGAGAACAACTCTTCTCGTTGCTGG
                                                                                                                                                                  GTATATCATCTCACCAATGACTGTTCCAACTCGAGCATCATCTATGAGATGAGTGGTATG
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                                                                                                                                         ATATACCATGTCACAAACGACTGCTCCAACTCAAGCATTGTGTATGAGGCGGCGGACGTG
                                                                                                                                                                                                                                                                                                    GACGGCGTGAACTATGCAACAGGGAATTTGCCCGGTTGCTCTTTCTCTATCTTCCTCTTA
                                                             ATCATGCATGCCCCCGGGTGCGTGCCCTGCGTTCGGGAGAACAATTCCTCCCGTTGCTGG
                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatitis C virus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HEPATITIS C VIRUS
                                                                                                                                                                                                                                                                                                                                                                                              69.8%;
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                                                                                                                                                                                                                                                                                                                                                                                              Score 312.2; DB Pred. No. 2e-97;
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REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 4169-003-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEFAX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1037 base pairs
TYPE: mucleic acid
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US-09-127-829-1
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APPLICANT:
APPLICANT:
                                     MOLECULE TYPE: DNA (ge
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Hepatitis
                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/074,584
FILING DATE: 11-JUN-1993
APPLICATION NUMBER: JP 152487/1992
FILING DATE: 11-JUN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 6063904man F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/127,829
FILING DATE:
IMMEDIATE SOURCE:
CLONE: pUC010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: METHOD FOR PRODUCING ECTOPROTEIN TITLE OF INVENTION: HEPATITIS C VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, ADDRESSEE: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
                                                                                                              STRANDEDNESS: GOU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: U.S.A. ZIP: 22202
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SEKI, MAKOTO
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HONDA, YOSHIKAZU
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                                                                                                 DNA (genomic)
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                                       C virus
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; LOCATION:
US-09-127-829-1
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US-08-483-695-28
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Patent No. 5866139
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Brechot
                                                                                          ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,695
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/965,285
FILING DATE: 18-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kremsdorf, Dina
APPLICANT: Porchon, Colette
TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
TITLE OF INVENTION: Applications
                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                            STREET: 1300 I St
CITY: Washington
                                                                                                                                                                                                                                                                                             ADDRESSEE: Finnegan, Hender
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                              FILING DATE:
                                                                                                                                                                                                                                           COUNTRY:
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81.0%;
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RESULT 10
US-07-965-285-28
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEPAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                            Sequence 28, Application US/07965285 Patent No. 5879904
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Best Local
                                                                          APPLICANT: POICHON, C
TITLE OF INVENTION: N
TITLE OF INVENTION: A
TITLE OF INVENTION: A
NUMBER OF SEQUENCES:
                                                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
                                                                CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 06-JUN-1991
ATTORNEY/AGENT INFORMATION:
             ADDRESSEE: Finnegan, Henderson, Farabow, Garrett ADDRESSEE: Dunner STREET: 1300 I Street, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
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FILING DATE: 06-JUN-1991
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                                                                            Nucleotide and Peptide Sequences of Hepatitis C Virus Isolate, Diagnosti Applications
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Pred. No. 4.8e-97;
1; Mismatches 85
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Diagnostic
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RESULT 11 US-08-487-231-28

Sequence 28, Appli Patent No. 5919454

Application US/08487231

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368 420 428 180

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APPLICATION NUMBER: FR 91 06 :
APPLICATION NUMBER: FR 91 06 :
APPLICATION INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 0528:
REFERENCE/DOCKET NUMBER: 0528:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
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MOLECULE TYPE: Other
DESCRIPTION: cDNA to genomic RNA
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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STRANDEDNESS: single
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                       ACAACAGAGTGCAACTGCTCAATC
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                                                                                                                                                                                                                                                                                                               ATCTTGCACGCCCAGGGTGTGTGCCCTGCGTTCGGGAGAACAACTCTTCTCGTTGCTGG
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ACAGTACAGGACTGCAACTGCTCAATC
                                                                   CTCTGCGGATCTGTTTTCCTCATCTCCCAGCTGTTCACCTTCTCGCCTCGCCGGCATGAG
                                                                                                                                        CGCCACGTCGACTTGCTCGTTTGGGACGGCTGCTTTCTGCTCCGCTATGTACGTGGGGGAT
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Pred. No. 4.8e-97;
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Best Local Similarity
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APPLICANT: Kremsdorf,
APPLICANT: PORCHOM, CI
TITLE OF INVENTION: H
TITLE OF INVENTION: H
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REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
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PRIOR APPLICATION UDATA:
APPLICATION UDABER: US 07/965,285
FILING DATE: 18-MAR-1993
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 91
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CORRESPONDENCE ADDRESS:
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CITY: Washington
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                              ATGCCRCTCACCCCCACGCTTGCGGTCAAAGACGCTAATGTCCCTACTGCGGCAATCCGA
 GTAGCGCTCACTCCCACGCTCGCGGCCAGGAATGCCAGCGTCCCCACTACGACATTACGA
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Kremsdorf, Diag
Thon, Colette
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                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                         cDNA to genomic RNA
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Hepatitis C Virus Isolate, Diagnostic and Therapeutic
Applications
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pred. No. 4.8e-97;
1; Mismatches 85;
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; MOLECULE TYPE:
; DESCRIPTION:
US-09-201-912-28
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Patent No. 6210962
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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REFERENCE/DOCKET NUMBER: 05286-0001-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FORM:
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TITLE OF INVENTION:
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PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,917
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CORRESPONDENCE ADDRESS:
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APPLICANT:
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CITY: Washington
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ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
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                                GCTTTTCTGTCCTGCTTGACGGTTCCAACTACCGCTCATGAGGTGCGCAACGCATCCGGG 120
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GCTCTGCTGTCTTTTGACCATCCCAGCTTCCGCTTATGAAGTGCGCAACGTGTCCGGG
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Hepatitis C Virus Isolate, Diagnostic and Therapeutic
Applications
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RESULT 13
US-08-612-973-5
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                                                                                                                     TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 795 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5,
                                                                                                                                                                                      ATTORNEY AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION UMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 5:
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,97:
FILING DATE: 11-MAR-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

OPERATING SYSTEM: PC-DOS/MS-DOS
                                       FEATURE:
                                                     ANTI-SENSE:
                                                                       MOLECULE TYPE: cl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: DE MATTYNOFF, GUY
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PURIFIED HEPATITIS C VIRUS ENVELOPE
TITLE OF INVENTION: PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
     NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: ARLINGTON STATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
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                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
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US-08-927-597-5
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                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: MAERTEN
APPLICANT: BOSMAN,
APPLICANT: DE MART
                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, GEERT
APPLICANT: BOSMAN, FONS
APPLICANT: DE MARTYNOFF, GUY
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PURIFIED HEPATITIS C VIRUS ENVELOPE
TITLE OF INVENTION: PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM CC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0/
FILING DATE: 11-MAR-1996
                                                                                                                                                                                                        STREET: 1100 NORTH GLEBE ROAD CITY: ARLINGTON STATE: VIRGINIA COUNTRY: U.S.A. ZIP: 22201-4714
                                                     FILING DATE:
CLASSIFICATION:
                                                                                       APPLICATION NUMBER:
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NIXON & VANDERHYE P.C.

US 08/612,973

US/08/927,597

#1.25 (EPO)

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; NAME/KEY:
; LOCATION:
US-08-612-973-5
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Best Local :
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                                   ACAACACAGGAGTGCAACTGCTCAATC 447
                                                                                                              CTCTGCGGATCCGTCTTGTCGGCCAGCTATTCACCTTTTCACCCCGCTTGTACCAT 420
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ACGGTGCAGGACTGCAATTGCTCAATC
                                                                             CTCTGCGGATCTGTCTTCCTCGTCTCCCAGCTGTTCACCATCTCGCCTCGCCGGCATGAG
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Pred. No. 6.2e-97
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573
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ATTORNEY/AGENT INFORMATION:

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; FEATURE:
; NAME/KEY:
; LOCATION:
US-08-927-597-5
                                                                                                            RESULT 15
US-08-28-757-5; Sequence 5, Application US/08928757; Patent No. 6890737; GENERAL INFORMATION:
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Best Local Similarity
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4400
TELEPAX: (703) 816-4100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
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LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 795 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                               APPLICANT: MAERTENS, GEERT
BOSMAN, FONS
DE MARTYNOFF, GUY
BUYSE, MARIE-ANGE
NUMBER OF SEQUENCES: 111
                                 TITLE
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               PURIFIED PROTEINS
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Pred. No. 6.2e-97;
               HEPATITIS C VIRUS ENVELOPE FOR DIAGNOSTIC AND THERAPEUTIC USE
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,757
FILING DATE: 12-Sep-1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSES: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/612,973
FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO
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LENGTH: 795 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
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361
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CTCTGCGGATCCGTCTTCCTTGTCGGCCAGCTATTCACCTTTTCACCCCGCTTGTACCAT 420
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                                                                                                                                                                               ATCATGCACACCCCCGGGTGCCTGCCTGCGTTCGGGAGAACAACTCTTCCCGCTGCTGG
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TELEFAX: (703)
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Pred. No. 6.2e-97;
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음 성 음 Search completed: January 11, 2006, 04:37:39 Job time: 112.089 secs

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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq
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Perfect score:
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1: /cgn2_6/ptodata/1

2: /cgn2_6/ptodata/1

3: /cgn2_6/ptodata/1

4: /cgn2_6/ptodata/1

5: /cgn2_6/ptodata/1

6: /cgn2_6/ptodata/1

7: /cgn2_6/ptodata/1

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9: /cgn2_6/ptodata/1

9: /cgn2_6/ptodata/1
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/cgn2_6/ptcdata/1/ina/5_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6B_COMB.seq:*
/cgn2_6/ptcdata/1/ina/H_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCOMB.seq:*
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/cgn2_6/ptcdata/1/ina/PCOMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
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  GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
US-08-836-075A-9
US-08-290-655A-147
PCT-US95-10398-146
US-08-290-655A-146
US-08-290-655A-146
US-08-290-655A-148
PCT-US95-10398-148
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US-08-836-075A-65
US-08-836-075A-65
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US-08-854-531-1
US-08-854-531-1
US-08-920-65A-121
PCT-US95-10398-121
US-08-973-49
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US-08-98-77-97
US-08-38-153
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US-08-334-97-7
US-08-334-616-7
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Sequence 147, App
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                                      65, Appl
1, Appli
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121, App
45, Appl
49, Appl
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149, Appl
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US-08-836-075A-9
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	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
	85.2	85.2		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2		85.2
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	PCT-US95-10398-117	PCT-US95-10398-114	PCT-US95-10398-113	PCT-US95-10398-112	PCT-US95-10398-109	US-08-290-665A-120	US-08-290-665A-118	US-08-290-665A-117	US-08-290-665A-114	US-08-290-665A-113	US-08-290-665A-112	US-08-290-665A-109	US-08-441-970-63	US-08-441-970-62	US-08-442-144A-63	US-08-442-144A-62	US-08-221-653-63	US-08-221-653-62	US-08-441-971-63	US-08-441-971-62	US-09-315-850-7
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!	App	Appl	App1	Appl	Appl	App1	Appl	Appl	Appl	Appli											

ALIGNMENTS

MEDIUM TYPE: FIOPPY CLEAR
COMPOTER: IBM PC compatible
COMPOTER: PC-DOS/MS-DOS
SOFTWARE: MICTOSOft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: P94870166.9
FILING DATE: 23 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION UMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NNS:004
INFORMATION FOR SEQ ID NO: 9: Sequence 9, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION: SEQUENCE CHARACTERISTICS:
LENGTH: 223 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear APPLICANT: MAERTENS, (
APPLICANT: STUYVER, L
TITLE OF INVENTION: NI
TITLE OF INVENTION: AI
TITLE OF INVENTION: AC MOLECULE TYPE: COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433 HYPOTHETICAL: NUMBER OF SEQUENCES: COUNTRY: USA ZIP: 77210-4433 CITY: HOUSTON TEXAS ĕ CDNA NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN AGENTS , GEERT LIEVEN WHITE & DURKEE THERAPEUTIC AND DIAGNOSTIC

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; ANTI-SENSE: US-08-836-075A-9
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; HYPOTHETICAL: 1; ANTI-SENSE: NO US-08-836-075A-59
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US-08-836-075A-59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 59, Applion Patent No. 6180768
                                                                                                                                                                                               PRILING DATE: 21 Oct 1994
PRICATION DATA:
PRICOR APPLICATION DATA:
PRICOR APPLICATION UNMBER: EP 95870076.7
FILLING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: MAERTENS,
APPLICANT: STUYVER,
                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER. HIS (08/836 0753
                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/836,075A
FILLING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 20.
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH.
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 652 base pairs
                                                     MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: P.O. BO
CITY: HOUSTON
STATE: TEXAS
                                                                            TOPOLOGY:
                                                                                            STRANDEDNESS:
                                                                                                                                ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
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                                                                                                              nucleic acid
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                                                                          linear
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                                                                                        single
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AND THEIR USE
AGENTS
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                                                                                                                                                                         59:
                                                                                                                                                                                           INNS:004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HEPATITIS C VIRUS GENOTYPES PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 223;
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US-08-290-665A-147
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                                                                           US-08-290-665A-147
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 223; Conserv
                                                                                                                                                            TELEX: 421792
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
Query Match
Best Local Similarity
Matches 205; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: PURCELL, R.H.
TITLE OF INVENTION: MUCI
TITLE OF INVENTION: AMID
TITLE OF INVENTION: CORI
TITLE OF INVENTION: AND
TITLE OF INVENTION: SON
TITLE OF INVENTION: SON
TITLE OF SEQUENCES: 260
CORRESPONDENCE ADDRESS:
                                                                                                             ORIGINAL SOURCE:
ORGANISM: home
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: NEW YO COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 345 PARK AVENUE CITY: NEW YORK
                                                                                        ORGANISM: homosapiens INDIVIDUAL ISOLATE: SA5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                 TOPOLOGY:
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100.0%; Pred. No. 2e-60;
tive 0; Mismatches
                    87.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MILLER, R.H. AND
                                                                                                                                                                                                                                                                                                                                                                                                                                       US/08/290,665A
   Score 194.2; DB 2;
Pred. No. 2.2e-51;
0; Mismatches 18;
                                                                                                                                                                                                                                                                                                                                2026-4116
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                                     Length 573;
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Conservative

0

Gaps

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; ORIGINAL SOURCE:
; ORGANISM: homosapiens
; INDIVIDUAL ISOLATE: SA5
PCT-US95-10398-147
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PCT-US95-10398-147
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Query Match
Best Local Similarity
                                                                                                                                                                                                                TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: BUKH, J, I
APPLICANT: PURCELL, R
TITLE OF INVENTION: AT
TITLE OF INVENTION: AT
TITLE OF INVENTION: AT
TITLE OF INVENTION: SI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: LIM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 375
STREET: NEW YORK
CITY: NEW YORK
TTATE: NEW YORK
                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                             NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/08
FILING DATE: 29 JUNE 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                    TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                             ENGTH:
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                                                                                                                                                        nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGGCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGGT 223
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         345 PARK AVENUE
                                                                                                                                                                                                                                                (212) 751-6849
                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-AUG-1995
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
87.1%;
91.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               263
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                                                                                                                                                                                                                                                                                           36,459
BER: 2026-4116
                                                                                                                                                                                                                                                                                                                                                                                                                                                08/086,428
Score 194.2; DB 6;
Pred. No. 2.2e-51;
                Length 573;
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US-08-290-665A-146
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US-08-290-665A-146
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                                                                                                                                      TELEX: 421792
INFORMATION FOR SEQ ID NO: 14
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
Best Local Sir
Matches 204;
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                                Query Match
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                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/290
FILING DATE: 15-AUG-1994
CLASSIETICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2020
TELECOMMUNICATION INFORMATION:
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APPLICANT: PURCELL, N
TITLE OF INVENTION: A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                TOPOLOGY: lin
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                TELEPHONE: (212) 751-6849
                                                                               ORGANISM: homosapiens INDIVIDUAL ISOLATE: SI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: NEW YORK
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               Similarity
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86.4%; ilarity 91.5%; Conservative
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF INCLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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                                                                                                                                                                                                                                                                                                                                                                                                  US/08/290,665A
                                                                                 SA4
Score 192.6; DB 2;
Pred. No. 7.1e-51;
0; Mismatches 19;
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                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 204; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 421792
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: mucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665A
FILING DATE: 15-AUG-194
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026-4116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: 421792
TELEPX. 421792
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORIGINAL SOURCE:
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CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
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ADDRESSEE: MORGAN & FINNEGAN
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                                                                                                                                                                                                                                                       tch 86.4%; al Similarity 91.5%; 204; Conservative
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61 GACGTCAAGTTCCCGGGGGGGGGGCAGATCGTTGGTGGAGTCTACGTGCTACCGCGCAGG
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
CAND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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                                                                                                                                                                                                                                                       Score 192.6; DB 2;
Pred. No. 7.1e-51;
0; Mismatches 19;
                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                           Indels
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120	61 GACGTCAAGTTCCCGGGCGGTGGCCAGATCGTTGGTGGAGTCTACGTGCTACCGCGCAGG	8
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0;	Query Match 86.4%; Score 192.6; DB 6; Length 573; Best Local Similarity 91.5%; Pred. No. 7.1e-51; Matches 204; Conservative 0; Mismatches 19; Indels 0; Gaps	ጃ መ ጥ
	ORGANISM: homosapiens ORGANISM: homosapiens INDIVIDUAL ISOLATE: SA4 CT-US95-10398-146	
	TYPE: nucleic acid	
	INFORMATION FOR SEQ ID NO: 146: SEQUENCE CHARACTERISTICS: SEQUENCE CHARACTERISTICS:	
	TELEPAX: (212) 751-6849 TELEX: 421792	
	KEFEKENCE/DUCKET NUMBEK: 2020-4116 TELECOMMUNICATION INFORMATION: TELECOMMUNICATION 758-4800	
	FILING DATE: 15 AUGUST 1994 ATTORNEY/AGENT INFORMATION:	
	ATION NUMBER: 08,	
	REFLICATION NUMBER: 00/000,420 FILING DATE: 29 JUNE 1993 DBTOR ADDITCATION DATA:	
	DATA:	٠. ٠.
	FILING AUGES: FLIDSSS/10330 FILING DATE: 15-AUG-1995	
	AT	
	OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1	
	COMPUTER: IBM PC COMPATIBLE	
	ER READABLE FORM:	٠
	Y: US	
	CITY: NEW YORK STATE: NEW YORK	٠. ٠.
	SSEE:	 .
	PONDENCE ADDRESS:	٠
	OF INVENTION: SEQUENCES IN DIAGNOSTIC METHODS AND VR OF SEQUENCES: 263	· ··
	INVENTION: CORE GENES	
	OF INVENTION: AMINO ACID SEQUENCES OF THE ENVELOPE 1	٠
	TITIE OF INVENTION: NUCLEOTIDE AND DEDUCED	
	ANT: BUKH, J., MILLER, F	
	equence 146, Application PC/TUS9510398	٠. دى
	RESULT 7 PCT-US95-10398-146	RES
	181 CGGCGCCAGCCTATTCCCAAGGCGCGCCAACCCACGGGCCGGT 223	В
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180		ş
170	PT GACGICAAGIICCCGGGCGGICAGAICGIIGGIGGAGAIITIACIIGIIGCGCGCAAG	מט

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PCT-US95-10398-148
                                                                                Query Match
Best Local
                                                               Matches
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                                                                                                                                                                            ORIGINAL SOURCE:
                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
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APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 15 AUGUST 1
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026-4116
TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: FLOPPY DISK
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: BUKH, J.,
APPLICANT: PURCELL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
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                                                                           Госат
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: 15-AUC
                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
                                                                                                                                             ORGANISM: homosapiens INDIVIDUAL ISOLATE: SA7
                                                                                                                                                             ORGANISM:
                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: NEW YORK
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                                                                              Similarity
                    ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAAAAGAAACACCAACCGCCGCCGCCACAG 60
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                                                                                                                                                                                                                                                                                                       (212) 751-6849
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91.5%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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                                                                           Score 192.6; DB 6
Pred. No. 7.1e-51;
                                                                                          DB 6;
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US-08-836-075A-65
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                                                                                                                     Matches
                                                                                                                                   Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EE
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948
                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                  ANTI-SENSE:
                                                                                                                                                                                                                HYPOTHETICAL:
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ADDRESSEE: ARNOLD, W
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FITLE OF INVENTION:
                                                                                                                                                                                                                                            TYPE: STRANDEDNESS: SIL
                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 77210-4433
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                                                                                                                 204;
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61 GACGTCAAGTTCCCCGGGCGGTGGCCAGATCGTTGGTGGAGTCTACCTGCTACCGCGCAGG 120
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                                                                      GACGTCAAGTTCCCGGGCGGTGGCCAGATCGTTGGTGGAGTCTACGTGCTACCGCGCAGG
                                                   ATGAGCACGAATCCTAAAACCTCAAAGAAAAACCAAACGTAACATCAACCGCCGCCCACAG
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                                                                                                                 86.4%; ilarity 91.5%; Conservative
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AND THEIR USE AS
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                                                                                                                Score 192.6; DB 3;
Pred. No. 8.1e-51;
D; Mismatches 19;
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                                                                                                                                                Length 831;
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US-08-854-531-1
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NAME: DeLuca, Mark
NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: APOL
TELECOMMUNICATION INFORMATION:
TELEPRAX: (215) 568-310
TELEPRAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application Patent No. 6025341
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 203; Conserv
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CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 6025341ris
STREET: One Liberty Place, 46th floor
                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 462 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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APPLICANT: Wakita, Takaji
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
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CITY: Philadelphia
STATE: PA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: double
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CLASSIFICATION:
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                    AGGCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGG
                                                                                          GGCCCTAGATTGGGTGTGCGCGCAGCGCGGAAGATTTCGGAGCGGTCGCAACCTCGTGGG 180
                                                                                                                                           GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
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AGGCGACAACCTATCCCCAAGGATCGCCGGCCCGAGGGCAGG
                                                                      GGCCCCAGGTTGGGTGTGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
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ilarity 91.4%;
Conservative
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                                                                                                                                                                                                                                                                                  Score 191.6; DB 3;
Pred. No. 1.4e-50;
Pred. No. 1.4e-50;
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                                                                                                                                                                                                                                                                                                                       Length 462;
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RESULT 11
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GENERAL INFORMATION:
APPLICANT: Wands, Jack
                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 203; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERCT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/1355;
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/318,248
FILING DATE: 05-OCT-1994
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/467,859
FILING DATE: 06-JUN-1995
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (215) 568-3439 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: HEPATITIS VIRUS VACCINES NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH:
181
                              181
                                                                   121
                                                                                                   121 GGCCCTAGATTGGGTGTGCGCGCAGCGCGGAAGACTTCGGAGCGGTCGCAACCTCGTGGG
                                                                                                                                        5
                                                                                                                                                            61 GACGTCAAGTTCCCCGGGCGGTGGCCAGATCGTTGGTGGAGTCTACGTGCTACCGCGCAGG
                                                                                                                                                                                                                                                                                                                                                                               H: 462 base pairs nucleic acid NDEDNESS: double
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                                AGGCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      One Liberty Place, 46th floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wakita, Takaji
Pachuk, Catherine J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wands, Jack
Tokushige, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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Coney, Leslie R.
                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                      linear
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                                                                                                                                                                                                                                                                                             85.9%;
91.4%;
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Pred. No. 1.4e-50;
0; Mismatches 19;
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 222
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120

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RESULT 13
PCT-US95-10398-121
; Sequence 121, Application PC/TUS9510398
; GENERAL INFORMATION:
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US-08-290-665A-121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base Type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 121, Application US/08290665A Patent No. 5882852 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 85.9%;
Best Local Similarity 91.4%;
Matches 203; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION UNMBER: US/08/290,6653
FILING DATE: 15-AUG-194
FILING DATE: 15-AUG-194
CULASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION UMBER: 36,459
REGISTRATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: BURH, J., NAPPLICANT: PURCELL, R. TITLE OF INVENTION: AN TITLE OF INVENTION: CONTITLE OF INVENTION: AN TITLE OF INVENTION: AN TITLE OF INVENTION: AN TITLE OF INVENTION: SI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 345 PARK
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                           AGGCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGG 222
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                                                                                                                                                                                   GGCCCCAGGTTGGGTGTGCGCGACCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGdA
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Pred. No. 1.5e-50;
0; Mismatches 19;
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RESULT 14 US-08-474-700B-45 ; Sequence 45, App

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TELEX: 421792
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                          Matches 203;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REGISTRATION NUMBER: 2026-41:
TELECOMMUNICATION INFORMATION:
TELECAMUNICATION INFORMATION:
TELECAMUNICATION 1058-4800
TELECAMUNICATION 1058-4800
TELECAMUNICATION 1058-4800
TELECAMUNICATION 1058-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/1039
FILING DATE: 15-AUG-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: BUKH, J.,
APPLICANT: BURCELL,
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORIGINAL SOURCE:
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MEDIUM TYPE: FLOPPY
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ADDRESSEE: MORGAN &
                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: homosapiens INDIVIDUAL ISOLATE: HK5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: size TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 345 PARK AVENUE CITY: NEW YORK
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ZIP: 10154
181
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                                                                                                        121 GGCCCTAGATTGGGTGTGCGCGCAGCGCCGGAAGACTTCGGAGCGGTCGCAACCTCGTGGG 180
                                      181 AGGCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGG
                                                                                                                                                           61 GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                                                                                                                                                                    61 GACGTCAAGTTCCCGGGCGGTGGCCAGATCGTTGGTGGAGTCTACGTGCTACCGCGCAGG
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                                                                              GGCCCCAGGTTGGGTGTGCGCGCGACCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
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91.4%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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                                                                                                                                                                                                                                                                                                                        Score 191.6; DB 6
Pred. No. 1.5e-50;
0; Mismatches 19
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Patent No.

6001990

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Patent No. 6150134
Patent No. 6150134
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: BOSMAN, FONS
APPLICANT: BOSMAN, FONS
APPLICANT: BUYSE MARTYNOFF, GUY
APPLICANT: BUYSE MARTYNOFF, GUY
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Best Local
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MEDILMY TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: 1BM PS/2 Model 50Z or 55SX
COMPUTER: 1BM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,700B
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/240,382
FILING DATE: 10 May 1994
ATTORNEY/AGENT INFORMATION:
NAME: Fraser Janis K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 780 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Wands, Jack
APPLICANT: Wakita, Takaji
APPLICANT: Moradpour, Darius
TITLE OF INVENTION: ANTISENSE INHIBITION OF HEPATITIS C
TITLE OF INVENTION: VIRUS
NUMBER OF SEQUENCES: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: U.S.A. ZIP: 02110-2804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: 11
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                                                                                                                                                                                                                 522
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                  AGGCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGG 222
                                                                                                                                                                                                                                                                                      GGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
                                                                                                                                                                                                                                                                                                                     GGCCCTAGATTGGGTGTGCGCGCAGCGCGGAAGACTTCGGAGCGGTCGCAACCTCGTGGG 180
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91.4%;
PURIFIED HEPATITIS C VIRUS ENVELOPE
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                                                                                                                                                                                                                                              Matches 203;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/612
FILING DATE: 11-MAR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-44000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
NAME/KEY:
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                      LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
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                                                                                          GGCCCTAGATTGGGTGTGCGCGCAGCGCGGAAGACTTCGGAGCGGTCGCAACCTCGTGGG
                                                                                                                       GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
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                                                            GGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGG
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1100 NORTH GLEBE ROAD
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Pred. No. 2.4e-50;
0; Mismatches 19;
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Search completed: January 11, 2006, 04:37:40 Job time : 56.4201 secs

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Result
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Maximum DB seq
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1: /cgn2-6/ptodata/1/ina/1_COMB.seq:*

2: /cgn2-6/ptodata/1/ina/6A_COMB.seq:*

3: /cgn2-6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2-6/ptodata/1/ina/B_COMB.seq:*

5: /cgn2-6/ptodata/1/ina/B_COMB.seq:*

6: /cgn2-6/ptodata/1/ina/B_COMB.seq:*

7: /cgn2-6/ptodata/1/ina/B_COMB.seq:*

8: /cgn2-6/ptodata/1/ina/BB_COMB.seq:*

9: /cgn2-6/ptodata/1/ina/BB_COMB.seq:*
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US-08-344-616-9
US-08-315-850-9
US-08-314-977-3
US-08-384-616-3
US-08-384-616-3
US-08-324-977-1
US-08-324-977-13
US-08-324-977-13
US-08-324-977-13
US-08-324-977-13
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RESULT 1 US-08-836-075A-11

ALIGNMENTS

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US-08-470-426B-17 US-08-4770-426B-14 US-09-539-601-1 US-09-539-601-19 US-09-539-601-25 US-09-539-601-31 US-08-150-204E-96 US-08-150-204E-96 US-08-191-160-21 US-08-61-91 US-08-61-91 US-08-61-91 US-08-462-195-3

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Beguence 11, Application US/08836075A

Bateat No. 6180758
GENERAL IMPORMATION:
APPLICANT: MARRIENS, GERET
APPLICANT: MARRIENS, APPLICANT STUYVER, LIEVEN
APPLICANT: MARRIENS, APPLICANTON: AND MEDIATIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
UNMERS OF SEQUENCES; 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ANACOL, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: NOUSYON
STRIE: TEXAS
COUNTRY: UGAS
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RESULT

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Query Match Best Local Similarity

70.4%; 81.1%;

Score 674; DB 2; Pred. No. 1.8e-190;

Length 1167;

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US-08-324-977-9
US-08-324-977-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPENSING SYSTEM: DOTO-
COPERATING SYSTEM: DO-DOS/MS-DOS, Ve:
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 440142
INFORMATION FOR SEQ ID NO:
                                                                                       NAME/KEY: misc feat
LOCATION: 1..1167
OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
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APPLICANT: FUKE,
APPLICANT: MORI,
APPLICANT: TAKAMI
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TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Stevens-Smith, Theresa M. REGISTRATION NUMBER: 36,281 REFERENCE/DOCKET NUMBER: 900703 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: YOSHIDA,
                                                                                                                                                                                                                                                        FEATURE:
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CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
                              NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (202) 887-0357
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                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: size TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 9, APE
No. 5747339
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TAKAMIZAWA, Akahisa
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Matches

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CCGCTCACCCCCACGCTCGCAGCGCGGATCGCGAACGCTCCCATCGATGAGGTGCGGCGT
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                                                                                                                                              Query Match
Best Local S
Matches 770
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FILING DATE:

CLASSIFICATION: 424
PRIOR APPLICATION UNTAER: US 07/769,996
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-CCT-1991
APPLICATION NUMBER: JP 2-167466
FILLING DATE: 25-UN-1990
PRIOR APPLICATION NUMBER: JP 2-230921
APPLICATION NUMBER: JP 2-30921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
DATE: STEVENS-SMILT, Theresa M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (202) 887-035
TELEX: 440142
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                         OTHER INFORMATION: FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Stevens-Smith, Theres:
REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 900
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
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OPERATING SYSTEM: PC-DOS/MS-DOS,
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/384,61
                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS TITLE OF INVENTION: CDMA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 50 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nuclear single STRANDEDNESS: single monor.OGY: linear
                                                                                                                                           Local Simi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (202) 687-0357
                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature LOCATION: 1..1167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U.S.A. ZIP: 20006
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                       61
                                                                                                                                                                   Similarity
GACGITIAAATICCCGGGTGGGGGGGCAGATCGTGGGTGGAGTTTACTTGTTGCCGCGCAGG 120
                                                                                      ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGCAACCACCGCCGACAG
                                                                ATGAGCACGAATCCTAAACCTCAAAGAAAACCAAACGTAACACCAACCGCCGCCCACAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1167 base pairs
                                                                                                                                           70.4%; ilarity 81.1%; Conservative
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SEQ ID
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Pred. No. 1.8e-190;
0; Mismatches 180;
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RESULT 3
US-08-384-616-9
Sequence 9, Application US/08384616; Sequence 10. 5847101
GENERAL INFORMATION:
APPLICANT: OKAYAMA, Hiroto

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RESULT 4
US-08-904-686A-9
; Sequence 9, Application US/08904686A
; Patent No. 5998130
GENERAL INFORMATION:

APPLICANT: CKAYAMA, HIROTO
APPLICANT: FUKE, Isao
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: TAKAMIZAWA, ISAO
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
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US-08-904-686A-9
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APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
APPLICATION DATA:
APPLICATION DA
                                                                                                                                                                                                                                                                                                           Matches
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TELEPHONE: (202) 659-2930
TELEPAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pair
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CURRENT APPLICATION DATA:
US/08/904,686A
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FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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STREET: 1725 K St
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Version SOFTWARE: ACCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature LOCATION: 1..1167
OTHER INFORMATION: /not OTHER INFORMATION: SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: McLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 90
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                                                                GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                                                                                                                                                                    E: Naughton
1725 K St. N.W.
                                                                                                                                                                                                                                                                                                              Conservative
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Pred. No. 1.8e-190;
0; Mismatches 180;
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APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, AKAhisa
APPLICANT: TAKAMIZAWA, AKAhisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCG
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Best Local Similarity
Matches 770; Conserv
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FILING DATE: 01-AUG-1997
APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION NUMBER: JP 2-30921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/635,451
PRIOR APPLICATION NUMBER: US 07/635,451
PRIOR APPLICATION NUMBER: US 07/635,451
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TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc feature
LOCATION: 1..167
OTHER INFORMATION: /note
OTHER INFORMATION: SEQ I
FEATURE:
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STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, SOFTWARE: ASCII CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/315,850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 90 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION: NAME: McLeland, Le-Nhung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                     NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE:
STRANDEDNESS: SIL
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REGISTRATION NUMBER: 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Version
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GGCCCCAGGTTGGGTGTGCGCGCGACCGAGGAAGACTTCCGAGCCGTCGCGAACCTCGCCGA 180
                                                                                         GACGTTAAATTCCCGGGTGGGGGCAGATCGTGGGTGGAGTTTACTTGTTGCCGCGCAGG 120
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Pred. No. 1.8e-190;
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RESULT 5
US-09-315-850-9
; Sequence 9, Application US/09315850
; Patent No. 6217872
; GENERAL INFORMATION:

ADDRESSEE:

Naughton 25 K St. N.W.

Armstrong, Westerman, Hattori, Suite 1000

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RESULT 6
US-08-324-977-3
                                                                                                                                                                                                                                                                     Sequence 3, Application Patent No. 5747339
                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                   APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: WORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: TOSSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong, Westerman, H
ADDRESSEE: Naughton
STREET: 1725 K St. N.W. Suite 1000
CITY: Washington
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                                                     Armstrong, Westerman, Hattori,
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Best Local S
Matches 770
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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COUNTRY: U.S.A.
ZIP: 20006
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS, Versio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/324,977
APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/635,451
PRIOR APPLICATION NUMBER: US 07/635,451
PRIOR APPLICATION NUMBER: US 07/635,451
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LOCATION:
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Stevens-Smith, The
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CURRENT APPLICATION DATA:
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MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: misc feature LOCATION: 1..1499
OTHER INFORMATION: /notOTHER INFORMATION: ID 1
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les 770; Conserv
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       AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG
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Pred. No. 2.1e-190;
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RESULT 7
US-08-384-616-3
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APPLICANT:
APPLICANT:
                                                                                                                                                        APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: HON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                           ADDRESSEE:
ADDRESSEE:
                                                     COUNTRY: U.S.A.
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MORI, Chisato
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Matches 770;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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OPERATING SYSTEM: PC-DOS/MS-U---,
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Stevens-Smith, Theres,
REGISTRATION NUMBER: 36,281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: JF 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JF 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature LOCATION: 1..1499
OTHER INFORMATION: /notOTHER INFORMATION: ID 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
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                                                                                             TACCCATGGCCCCTCTATGCTAACGAGGGCTGCGGATGGGCGGGATGGCTCCTGTCCCCT
   CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGT
                                                                      TACCCTTGGCCTCTCTATGGCAATGAGGGCTTAGGGTGGGCAGGATGGCTCCTGTCACCC
                                                                                                                                              AGGCGACAACCTATCCCCAAGGCTCGCCGGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG
                                                                                                                                                                                AGGCGACAGCCTATCCCCAAGGCTCGCCGACCCGAGGGCAGGTCCTGGGCTCAGCCTGGG
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SYSTEM: PC-DOS/MS-DOS, Version
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81.1%;
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US-08-904-686A-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION: OKAYAM
                                    ZIP: ZUUUB
COMPUTER READBLE FORM:
COMPUTER: Diskette, 3.5 in, 1.44Mb
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/08/904,686A
                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                APPLICATION NUMBER: US/01
FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                       STREET: 1725 K St
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
 APPLICATION NUMBER:
                                                                                                                                                                                                                                                            ADDRESSEE:
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MORI, Chisato
TAKAMIZAWA, Akahisa
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 US 08/324,977
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AAGGTCATCGATACCCTAACGTGTGGCTTCGCCGATCTCATGGGGTACATTCCGCTCGTC
                                                                                      CGCGGCTCCCTAGCTGGGGCCCCAATGACCCCCGACGTAGATCACGCAATTTGGGT
                                                                                                                        TACCCTTGGCCTCTCTATGGCAATGAGGGCTTAGGGTGGGCAGGATGGCTCCTGTCACCC
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                                                       CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGT
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Query Match
Best Local Similarity
Matches 770; Conserv
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PRIOR APPLICATION NATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                         LENGTH: 1499 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA from ge
                                                                                                                                                                                                 FEATURE:
NAME/KEY:
LOCATION:
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APPLICATION NUMBER:
FILING DATE: 25-JUN-
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                      NAME/KEY:
LOCATION:
                                                                                                                                                             NAME/KEY: misc_feature LOCATION: 1..1499
OTHER INFORMATION: /not OTHER INFORMATION: ID N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: McLeland, Le-Nhung REGISTRATION NUMBER: 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                  АТБАБСАСБААТССТАЛАССТСАЛАБААЛАЛАССАЛАСБСАЛССАССАССБССССАСАБ
ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
                                                                        Conservative
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                                                                                     70.4%;
81.1%;
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ID NO: 1"
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                                                                  Score 674; DB 2;
Pred. No. 2.1e-190;
0; Mismatches 180;
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US-09-315-850-3
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Patent No. 6217872
GENERAL INFORMATION:
                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/09/315,850
FILING DATE:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: KON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
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                                                                                                                                                                                                                                                                                      STREET:
CITY: W
STATE:
                                                                                                                                                                                                                                                    ZIP:
                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Armstrong, Westerman,
ADDRESSEE: Naughton
STREET: 1725 K St. N.W. Suite 10
APPLICATION NUMBER: US/08/904,686
FILING DATE: 01-AUG-1997
APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
                                                                                                                                                                                                                                                                        COUNTRY:
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MORI, Chisato
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (202) 887-0357 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: McLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 9007
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION:
FEATURE:
NAME/KEY:
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APPLICATION NUMBER:
FILING DATE: 28-DEC-
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
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OTHER INFORMATION:
OTHER INFORMATION:
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                      AAGGTCATCGATACCCTAACGTGTGGCCTTCGCCGATCTCATGGGGTACATTCCGCTCGTC
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                                                                          CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCCGGCGTAGGTCGCGTAATTTGGGT
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09-NOV-1990
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30-JUL-1993
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ID NO:
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Pred. No. 2.1e-190;
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 11,
         APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION NUMBER: JP 2-230921
APPLICATION NUMBER: JP 2-230921
                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM CCOmpatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
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                                                                                                                                                                                                                                          STREET: 1725 K St
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
                                                                                                                                                                                                                                                                                                             ADDRESSEE: Armstrong, Westerman, Hattori, McLeland ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
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FEATURE:
NAME/KEY:
LOCATION:
US-08-324-977-11
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Best Local Similarity
Matches 770; Conserva
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
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OTHER INFORMATION: /not OTHER INFORMATION: SEQ
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TOPOLOGY: lir
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TELEFAX: (202) 887-0357
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                     GGCGCCCCCTAGGGGGCGCTTCCAGAACCCTGNCACATGGTGTCCGGGTCCTGGNAGGC
                                                                                             AAGGTCATCGATACCCTAACGTGTGGGCTTCGCCGATCTCATGGGGTACATTCCGCCTCGTC
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 GGCGCCCCCTGGGGGGCCTGCCAGGGCCCTGGCACATGGTGTCCGGGTTCTGGAGGAC
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SEQ ID NO: 1"
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Pred. No. 4.1e-190;
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Patent No. 5
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                                                         CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
EILING DATE: 02-OCT-1991
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                     STREET: 1/25
STREET: Washington
STATE: D.C.
TT.S.A.
            APPLICATION NUMBER: JP 2-
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                 SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                             MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Vers
                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Armstrong, Westerman, Hattori, McLeland ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
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                                                                                                                                                                                                   APPLICATION NUMBER:
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TELEX: 440142
INFORMATION FOR SEQ ID NO:
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NAME/KEY:
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LENGTH: 6039 base pairs
TYPE: nucleic acid
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TELEPHONE: (202) 659-2930
TELEFAX: (202) 887-0357
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APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
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MOLECULE TYPE:
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OTHER INFORMATION: /notother information: SEQ
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REFERENCE/DOCKET NUMBER: 900703B
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Pred. No. 4.1e-190;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: FUKE, ISAO
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: MON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
                                                                                                                             APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/904,686A FILING DATE: 01-AUG-1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compa
OPERATING SYSTEM: PC-D
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                         PRIOR APPLICATION DATA:
                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 30-JUL-
                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA
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COUNTRY:
ZIP: 200
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                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/324,977 FILING DATE: 18-OCT-1994
            APPLICATION NUMBER: US C
FILING DATE: 02-OCT-1991
                                                                                                     APPLICATION NUMBER: JP 2-305605 FILING DATE: 09-NOV-1990
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SYSTEM: PC-DOS/MS-DOS, Version 5.0
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                                                                                                                                                                                                                                                                                                                                                                              Diskette, 3.5 in, 1.44Mb
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ATTORNEY/AGENT INFORMATION:
NAME: MCLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 9007
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 11:
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LENGTH: 6039 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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LOCATION:
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OTHER INFORMATION: /notOTHER INFORMATION: SEQ
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                   TACCATGTCACTAATGACTGTTCCAACGGCAGCATCGTATATGAGGCAAAGGACATCATC
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TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC
                                                                     CTGCTGTCCTGCCTGACCACCCCAGCTTCCGCTTACGAAGTGCACAACGTGTCCGGGATA
                                                                                              TTACTCTCTTGCCTCACAGTCCCCACCTCTGCCTATGAGGTGCACAGCACAGCGATGGC
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SEQ ID NO: 1"
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Pred. No. 4.1e-190;
0; Mismatches 180;
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RESULT 13
US-09-315-850-11
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, AKAhisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                        FILING DATE: 31-AUG-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 5
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                                                                   PRIOR APPLICATION DATA:
                                                                                                                       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
FILING DATE: 01-AUG-
APPLICATION NUMBER:
FILING DATE: 18-OCT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Armstrong, Westerman, Hattori, McLeland ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000 CITY: Washington STATE: Naughton STATE: Washington
                                                                                    APPLICATION NUMBER: US 01 FILING DATE: 30-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC
OPERATING SYSTEM:
                                APPLICATION NUMBER: US 07/769,996 FILING DATE: 02-OCT-1991
                                                                                                                                       APPLICATION NUMBER: JP 2-305605 FILING DATE: 09-NOV-1990
                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: D.C.
 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: U.S.A.
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MORI, Chisato
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS, Vers
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                                                                                                    US 08/099,706
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US 07/635,451
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Best Local Similarity
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US-09-315-850-11
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TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 6039 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
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OTHER INFORMATION:
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: McLeland, Le-Nhung REGISTRATION NUMBER: 31,
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                                             TACCATGTCACTAATGACTGTTCCAACGGCAGCATCGTATATGAGGCAAAGGACATCATC
                                                                                                               TTACTCTCTTGCCTCACAGTCCCCACCTCTGCCTATGAGGTGCACAGCACAACCGATGGC
                                                                                                                                                                                                                                                   GGCGCCCCCTAGGGGGCGCTTCCAGAACCCTGNCACATGGTGTCCCGGGTCCTGGNAGGC
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                TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC
                                                                                      CTGCTGTCCTGCCTGACCACCCCAGCTTCCGCTTACGAAGTGCACAACGTGTCCGGGATA
                                                                                                                                                         GGCGTGATNINNNNNNNNNNNNNAACCTTCCNGGTTGCTCTTNNCTATCTTCCTCTTGGCN
                                                                                                                                                                                                                             GGCGCCCCCTGGGGGGCGCTGCCAGGGCCCTGGCACATGGTGTCCCGGGTTCTGGAGGAC
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SEQ ID NO:
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Pred. No. 4.1e-190;
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RESULT 14
US-08-324-977-13
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                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-UUN-1990
PRIOR APPLICATION NUMBER: JP 2-230921
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
                                                                                                                                                PILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-UUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 28-DEC-
                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
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                                                                         ATTORNEY/AGENT INFORMATION:
 TELECOMMUNICATION INFORMATION:
                   NAME: Stevens-Smith, Theres REGISTRATION NUMBER: 36,281 REFERENCE/DOCKET NUMBER: 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, SOFTWARE: ASCII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1725 K St
CITY: Washington
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NAME/KEY:

LOCATION:

US-08-324-977-13
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Best Local Similarity
Matches 770; Conserv
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INFORMATION FOR SEQ ID NO:
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LENGTH: 9030 base pai
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OTHER INFORMATION: SEQ
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                         ATGCATACTCCTGGGTGCGTGCCTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA
                                                                           CTTCACACGCCTGGGTGNGTGCCCTGCATACGGGAAGGCAATATCTCCCGTTGCTGGGTA
                                                                                                                  TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC
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(202) 887-0357
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RESULT 15
US-08-384-616-13
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                         APPLICATION UNMBER: US/08/384,616
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: UP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 2-230921
PILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
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                                                                  TELEX: 440142
INFORMATION FOR SEQ ID NO:
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                  SEQUENCE CHARACTERISTICS:
LENGTH: 9030 base pair
TYPE: nucleic acid
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MEDIUM TYPE: Diskett:
COMPUTER: IBM PC compoperating SYSTEM: PC
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APPLICANT:
                                                                                                                                                                                               APPLICATION NUMBER: US 0
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: ONN-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
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                                                                                   TELEPHONE: (202) 887-0357
                                                                                                                                               NAME: Stevens-Smith, Theresa M. REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 900703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE:
   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
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             9030 base pairs ucleic acid
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MORI, Chisato
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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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PCT-US95-10398-134
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US-08-241-970-65
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US-08-836-075A-75
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Sequence 27, Appl
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2, Appli
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75, Appl
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ALIGNMENTS

US-08-836-075A-13 US-08-836-075A-13 US-08-836-075A-13 US-08-836-075A-13 Sequence 13, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION: APPLICAMT: STUYVER, LIEVEN ITILE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TUTLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TUTLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TUTLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TUTLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TORRESPONDENCE ADDRESS: ADDRESSEE; ANVOLD, WHITE & DURKEE STREET: P.O. BOX 4433 CITY: HOUSTON STATE: TEXAS COUNTRY: USA COMPUTER: TEXAS COUNTRY: USA COMPUTER: TIMP PC Compatible DPERATURG SYSTEM: PC-DOS/MS-DOS SOFTWARE: MICTOSOft Word 6.0 / ASCII text output CURRENT APPLICATION NUMBER: PC-DS/MS-DOS SOFTWARE: MICTOSOft Word 6.0 / ASCII text output CURRENT APPLICATION NUMBER: PC-PS/EPS/04155 PILING DATE: 21 Oct 1994 PRIOR APPLICATION NUMBER: PC-PS/EPS/04155 PRIOR APPLICATION NUMBER: PC-PS/EPS/04155 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 23 Oct 1995 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRILING DATE: 25 Oct 1994 PRIOR APPLICATION NUMBER: PS-9870076.7 PRINCECCUR CHARACTERESTICS: PERENERS/SOME CHARACTERES/SOME CHARACTERES/SOME CHARACTERES/SOME CHARACTERES/SOM

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RESULT 2
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           PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 948701

PILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 958700

PILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REFERENCE/DOCKET NUMBER: INNS

INFORMATION FOR SEQ. ID NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 99.4%; So
Best Local Similarity 100.0%; F
Matches 310; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EF
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / I
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TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MAERTENS, APPLICANT: STUYVER, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
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CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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O. BOX 4433
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                                 INNS: 004
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; MOLECULE TYPE: (
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-836-075A-17
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US-08-836-075A-21
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                  STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASC
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AUD THEI
TITLE OF INVENTION: AGENTS
TITLE OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                    APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: CT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION UNDER: P07/EP95/04155 PRIOR APPLICATION DATA:
                          APPLICATION NUMBER: EP 94
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INI
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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                                        COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: INS/08/290.66
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 88.5%;
Best Local Similarity 92.6%;
Matches 287; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                              TITLE OF INVENTION:
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORIGINAL SOURCE:
ORGANISM: home
                                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                       APPLICANT: BUKH, J., APPLICANT: PURCELL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                        STREET: 345 PARK AVENUE CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (212) 751-6849
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                                                                                         COUNTRY:
                                                                                                                                                              ADDRESSEE: MORGAN & FINNEGAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
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                                                                                                           NEW YORK
                                                                                           USA
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ISOLATE: T4
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEBATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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Pred. No. 3.3e-75;
0; Mismatches 23;
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WORDPERFECT 5.1

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RESULT 6
PCT-US95-10398-125
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                                                                                                                                                                                                                                                        Sequence 125, Application PC/TUS9510398
GENERAL INFORMATION:
APPLICANT: BUCH, J., MILLER, R.H. AV
APPLICANT: PURCELL, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (212) 758-480
TELEPAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: :
                                                                                                                                                                       TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                      NUMBER OF SEQUENCES: 263
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
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                                                  STREET: 345 PACITY: NEW YORK STATE: NEW YORK COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/0
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
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                                                                  NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                       CGAGGCTCTC 310
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                                                                                                                                                                                                                                                                                                                                                                                                      CGCGGTTCTC 310
                                                                                                      345 PARK AVENUE
                                                                                                                                                                                                                                                                            BUKH, J., MILLER, R.H. AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                     NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HERATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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Pred. No. 3.3e-75;
0; Mismatches 23
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RESULT 7

PCT-US95-1038-134

Sequence 134, Application PC/TUS9510398

Sequence 134, Application PC/TUS9510398

APPLICANT: BUKH, J., MILLER, R.H. AND APPLICANT: BUKH, J., MILLER, R.H. AND APPLICANT: PURCELL, R.H.

ITITLE OF INVENTION: NUCLEOTIDE AND DEI TITLE OF INVENTION: AMINO ACID SEQUENCE OF RESULTION: AND THE USE OF RESULTION: AND THE USE OF RESULTION: AND THE USE OF RESULTION: SEQUENCES IN DIAGRAMMENT OF THE OF INVENTION: AND THE USE OF RESULTION: SEQUENCES IN DIAGRAMMENT OF THE OF 
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TELEPAN: (212) 751-6849
TELEEAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 12
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
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FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10.
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
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15 AUGUST 1994
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                        NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
                                                                                                                                                                                                                             MILLER, R.H. AND
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CORRESPONDENCE ADDRESS:

ADDRESSEE:

STREET: 345 PARI CITY: NEW YORK STATE: NEW YORK

345 PARK AVENUE

MORGAN & FINNEGAN

COUNTRY:

USA

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RESULT 8
US-08-441-971-65
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TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEUNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/US95/10398 FILING DATE: 15-AUG-1995 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: homosapiens
INDIVIDUAL ISOLATE: S83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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Similarity 92.6%;
87; Conservative
                                                                                                                     CGAGGCTCTC 310
                                                                                                                                                                                     TATCCCTGGCCCCTGTATGGGAACGAGGGGCTCGGCTGGGCAGGATGGCTCCTGTCCCCC 300
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   Application US/08441971
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Pred. No. 3.3e-75;
0; Mismatches 23;
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ATTORNEY JAGEN,
NAME: Janiuk, An...
REGISTRATION NUMBER: 29,.
REFERENCE/DOCKET NUMBER: C07/2
REFERENCE/DOCKET NUMBER: C07/2
TELECHOMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHONE: (617) 720-2441
TOTAL:
TOT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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LENGTH: 549 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskette, 5.
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
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Local Similarity 91.9%;
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STRANDEDNESS: single
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                                                                  241
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301 CGAGGCTCTC 310
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 ATGAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAGAAATACCAACCGCCGCCCACAG
                                                                                                              TATCCCTGGCCCCTGTATGGGAACGAGGGGCTCGGCTGGGCAGGATGGCTCCTGTCCCCC
                                                                                                                                                                                                                                                AGGCGCCAGCCCATCCCTAAAGATCGGNGNGCCACTGGCAGGTCCTGGGGACGTCCAGGA
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Pred. No. 3.2e-74;
0; Mismatches 25
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                                                                                                                                                                                                                                                                                                                           US-08-221-653-65
                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM com
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
                                181
                                                              121
 181
                                                                                                                                                                                                                                                              285;
                                                                                              121 GGCCCCAGATTGGGTGTGCGCGCGACGAGAAAGACTTCTGAACGGTCCCAGCCACGTGGA 180
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                                                                                                                                                           61 GACGTCAAGTTCCCGGGCGGCGGCCAGATCGTTGGCGGAGTTTACTTGTTGCCGCGCAGG 120
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                      AGGCGCCAGCCCATCCCTAAAGATCGGNGNGCCACTGGCAGGTCCTGGGGAACGTCCAGGA 240
                                                                                                                               GACGTCAAGTTCCCGGGCGGTGGCCAGATCGTTGGCGGAGTATACTTGCTGCCGCGCAGG
                                                                                                                                                                                             ATGAGCACAAATCCTAAAACCTCAAAGAAAAACCAAAAGAAACACTAACCGCCGCCCACAG
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AGGCGTCAGCCCATCCCTAAAGATCGTCGCACCGCTGGCAAGTCCTGGGGAAGGCCAGGA
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                                                                                                                                                                                                                                                                           87.5%;
91.9%;
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                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                           Score 271.2; DB 3
Pred. No. 3.2e-74;
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                                                                                                                                                                                                                                                                                            DB 3; Length
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                                                                                                                                                            Matches 285;
                                                                                                                                                                                            Query Match
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APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/221,653
FILING DATE: APRLI 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 549 Nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: CH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08 FILING DATE: MAY 16, 1995
                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                          TYPE: Nucleic Acid
STRANDEDNESS: Sing
                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX:
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No. 6214583
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121 GGCCCCAGATTGGGTGTGCGCGCGACGAGAAAGACTTCTGAACGGTCCCAGCCACGTGGA 180
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Emeryville
California
                                                                                                                       ATGAGCACAAATCCTAAACCTCAAAGAAAAAACCAAAAGAAATACCAACCGCCGCCGCCACAG
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                                                                GACGTCAAGTTCCCGGGCGGCGGCCAGATCGTTGGCCGAGGTTTACTTGTTGCCGCGCAGG 120
                                                                                              ATGAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAGAAACACTAACCGCCGCCCACAG
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                                                                                                                                                                                                                                                                                                                                            549 Nucleotides
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Michael S. Urdea
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Bruce Irvine
                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                           Linear
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                                                                                                                                                           Score 271.2; DB 3;
Pred. No. 3.2e-74;
                                                                                                                                                                                            Length 549;
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GENERAL INFORMATION:
APPLICANT: Tai-An Cha
                                                                              Best
                                                               Matches
                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
PILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
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STREET: ..
STREET: ..
STORY: Boston
                                                               tocal Sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: Wordperfect 5.1
                                                                                                                                                                                                                                                                                                                                                                       NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 16-MAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                            CENGTH:
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                                                                                Similarity
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                 ATGAGCACAAATCCTAAACCTCAAAGAAAAAACCAAAAGAAATACCAACCGCCGCCACAG 60
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 ATGAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAAGAAACACTAACCGCCGCCCACAG
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                                                                                                                                                                                                                                            549 nucleotides
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                                                                                                                                                                                         linear
                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3: Diskette, 5.25 inch
IBM compatible
SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-MAY-1995
                                                                                                                                                                                                            single
                                                                              87.5%;
91.9%;
                                                                                                                                               110
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                                                                                                                                                                                                                                                                              65:
                                                             Score 271.2; DB 3; Length 549; Pred. No. 3.2e-74; 0; Mismatches 25; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCES FOR AND THERAPEUTICS
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                                                               Gaps
60
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                                           INDIVIDUAL ISOLATE: T2
US-08-290-665A-128
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            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                  ZIP: 10154

COMPUTER READABLE FORM:

COMPUTER EADABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WORDERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/290,665.

FILING DATE: 15-AUG-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: RICHARD W. BORK
                                                                                                                                                                                                                   TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL
                                                                                                                 ORIGINAL SOURCE:
                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: PURCELL, TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
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                                                                                                                                                                                                                                   TELEPHONE: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 345 PARK AVENUE CITY: NEW YORK STATE: NEW YORK
                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
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87.5%; ilarity 91.9%; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                      US/08/290,665A
                                                                                                                                                                                                                     128:
 °,
Score 271.2; DB 2;
Pred. No. 3.3e-74;
0; Mismatches 25;
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                                 Length 573;
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 Gaps
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RESULT 13
PCT-US95-10398-128
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                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US95/
FILING DATE: 15-AUG-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,42
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/66
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                       TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: BUKH, J.,
APPLICANT: PUNCELL, F
TITLE OF INVENTION: I
TITLE OF INVENTION: I
                                                                                                                             REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
STREET: 34
CITY: NEW
                                                                                            TELEPHONE: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
STRANDEDNESS:
                                                                                                                                                                                       REGISTRATION NUMBER:
                                    LENGTH:
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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PCT-US95-10398-128
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: homosapiens INDIVIDUAL ISOLATE: T2
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                               CGAGGCTCTC 310
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CGAGGTTCTC 310
                                                                  TACCCCTGGCCCCTGTATGGGAATGAGGGGCTCGGCTGGGCAGGATGGCTCCTGTCCCCC
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91.9%;
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Pred. No. 3.3e-74;
0; Mismatches 25
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RESULT 14 US-08-441-971-66 Sequence 66, Application US/08441971 Patent No. 6071693 APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500 GENERAL INFORMATION: APPLICANT: Tai-An ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1 TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US. CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre FILING DATE:
APPLICATION NUMBER:
FILING DATE: FILING DATE: COUNTRY: Boston Massachusetts 600 Atlantic Avenue Tai-An Cha 16-MAY-1995 Greenfield US/07/881,528 US/08/441,971 US/08/221,653 & Sacks, P.C.

INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 510 nucleotides

66:

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RESULT 15
US-08-221-653-66
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Best Local S
Matches 283
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Patent No. 6190864
                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5
COMPUTER: IEM compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 5
CURRENT APPLICATION DATA:
                                                            APPLICATION NUMBER: US
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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mes 283; Conservative
                                                                                                                                                                                                                                                                         COUNTRY:
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Pred. No. 3.1e-73;
0; Mismatches 27;
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LENGTH: 510 nno?
                                                                                                                                                                                                                                                                                                                                                                  Matches 283;
                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 29,809
REFRENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
301
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                            CGAGGCTCTC 310
                                                                                        TATCCCTGGCCCCTGTATGGGAACGAGGGCTCGGCTGGGCAGGATGGCTCCTGTCCCCC
                                                                                                                                        AGGCGCCAGCCCATCCCTAAAGATCGGNGNGCCACTGGCAGGTCCTGGGGACGTCCAGGA
CGCGGTTCTC 310
                                                                                                                      AGGCGCCAGCCCATCCCCAAAGATCGGCGCACCACTGGCAAGTCCTGGGGGAAGCCAGGA
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91.3%;
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Pred. No. 3.1e-73;
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Search completed: January 11, Job time: 78.0414 secs 2006, 04:37:43

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Result
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Run on:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB
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1: /cgn2_6/ptodata/1

2: /cgn2_6/ptodata/1

3: /cgn2_6/ptodata/1
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Match Length DB
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
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US-08-612-973-5
            -08-928-757-5
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Sequence 17, Appl
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239.4	239.4	239.4	239.6	241	241	242	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6
41.3	41.3	41.3	41.4	41.6	41.6	41.8	41.9	41.9	41.9	41.9	41.9	41.9		41.9			41.9	41.9	41.9	41.9
636	636	636	957	12980	12980	579	2433	2433	2433	2082	2082	2082	1037	1037	1037	1037	1037	1037	932	732
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US-08-928-757-13	US-08-927-597-13	US-08-612-973-13	US-08-836-075A-41	US-09-034-756-5	US-08-811-566-5	US-09-878-281A-173	US-08-928-757-49	US-08-927-597-49	US-08-612-973-49	US-08-928-757-47	US-08-927-597-47	US-08-612-973-47	US-09-127-829-3	US-09-127-829-1	US-08-636-883-3	US-08-636-883-1	US-08-462-195-3	US-08-462-195-1	US-08-449-093A-15	02-00-001-072-13
Sequence 1	Sequence 1	Sequence 1	Sequence 4	Sequence 5	Sequence 5	Sequence 1	Sequence 4	Sequence 3	Sequence 1	Sequence 3	Sequence 1	Sequence 3	Sequence 1	Sequence 1	actuation T					
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ALIGNMENTS

RESULT 1

US-08-836-075A-15; Sequence 15, Ap; Patent No. 6180

5, Application US/08836075A 6180768

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APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                               REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: MAERTENS, CAPPLICANT: STUYVER, LITILE OF INVENTION: NETTITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF SEQUENCES:
                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 579 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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                                        TOPOLOGY:
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                                        linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
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RESULT 2
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Best Local Similarity
Matches 579; Conser
                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUVYER, LIEVER,
APPLICANT: STUVYER, APPLICANT
COMPUTER READABLE FORM:
MEDLIN TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MICROSOFT WOR'D 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
                                                                                                                                                                                                        TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, W
                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                            STREET: P.O. BOX
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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RESULT 3
US-09-878-281A-143
; Sequence 143, App
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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-836-075A-17
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY, AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 21,775
REFERENCE/DOCKET NUMBER: 11NS:004
INFORMATION FOR SEQ ID NO: 17:
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LENGTH: 957 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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23 Oct 1995
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TCCATATACCCAGGCCATATCACAGGACATCGAATGG
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Pred. No. 5.2e-107;
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RESULT 4
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; ORGANISM: hepatitis C virus
US-09-878-281A-143
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 143
LENGTH: 957
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                     Sequence 75, Application US/08836075A Patent No. 6180768
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                                                                                                                   GENERAL INFORMATION:
            APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: AND THEIL TITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207
 CORRESPONDENCE ADDRESS:
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                                                NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
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76.5%;
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Pred. No. 1.5e-96;
0; Mismatches 136;
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Best Local Similarity
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                                                                                                   GCCGTGAGCAAACCTGGTGCTCTCACCAAGGGACTGCGGGCACGCATTGATGCCGTCGTG
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                                                                  KNCGTGAGCCGACCTGGTGCCCTAACCGAGGGTTTGCGATCGCACATCGACACCATCGTA 1036
                                                                                                                                     GTCCCCTGTGAACGAGGGCAACAGTTCCCGGTGCTGGATTCCAGTCACGCCCRACGTA
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Conservative

3; Mismatches 147;

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Gaps

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180

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736

856 240 120

676 60

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APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: IINFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: 1195 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text
CURRENT APPLICATION DATA:
                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
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CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                  TYPE: nucleic acid
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60.8%;
74.1%;
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  Score 351.8; DB 3; Pred. No. 3.8e-92;
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US-07-925-695-1
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                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
PRIOR APPLICATION NUMBER: JP 360441/91
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                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 9589 base pair
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Weilacher Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
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TITLE OF INVENTION:
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CURRENT APPLICATION DATA:
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STATE:
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CITY: Washington
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OPERATING SYSTEM:
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                                                         GUCGCCAGAGCUCUCGCGCAUGGCGUGAGAGUCCUGGAGGACGGGGUUAAUUUUGCAACA
                                                                                          GTNGCCAGGGCCCTCGCGNATGGCGTGCGGGTCCTGGAGGACGGGATAAATTATGNAACA 120
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                                                                                                                                                                                                                                                                                                                                           9589 base pairs
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                                                                                                                                                                                                    Conservative
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SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                ; Score 330; DB 2; Length 95
; Pred. No. 2e-85;
99; Mismatches 159; Indels
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US-07-925-695-2
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No. 542814
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INFORMATION FOR SEQ ID NO:
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                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMEDTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: OKAMOTO, I APPLICANT: NAKAMURA,
                                                                        NAME: Weilacher Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
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              TELEFAX: 1-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 1850 M Street: Washington
                                                                                                                                                                                                                                      APPLICATION NUMBER: JP 2 FILING DATE: 09-AUG-1991
                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: UFILING DATE: 19920807
                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                       TELEPHONE:
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                                     (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OKAMOTO, Hiroaki
                      64470
                                                     (202) 659-2811
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RESULT 7
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                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                STREET: 1850 P. CITY: Washington STATE: D.C.
                                                                                                                                                                      APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetesso
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,
TITLE OF INVENTION: POLYNUCLEOTIDES, POLYPEPTIDES, ANTIG
TITLE OF INVENTION: DETECTION SYSTEMS
NUMBER OF SEQUENCES: 9
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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ADDRESSEE: Beveridge
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TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
                                                        COUNTRY: U:
ZIP: 20036
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                                                                                                                          E: Beveridge, DeGrandi, Weilacher & 1850 M Street, N.W., Suite 800
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Pred. No. 2e-85;
0; Mismatches 159;
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Best Local :
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INFORMATION FOR SEQ ID NO:
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SOFTWARE: PATENTIN Rele:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
FILING DATE: 19920807
CLASSIFICATION: 435
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FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
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LENGTH: 9511 base pairs
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REFERENCE/DOCKET NUMBER: 06/87-48009
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TELEFAX: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Weilacher, Robert G
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                                  TCCATATACCCAGGCCACATTACAGGTCATCGCATGGC 578
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7, Application Patent No. 5428145
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                     Matches 415;
                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (202) 659-146
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 287402/91

FILING DATE: 09-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 360441/91

FILING DATE: 05-DEC-1991

ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: OKAMOTO, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: 199208 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1850 M St
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (202) 659-28
TELEFAX: (202) 659-1462
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960
                             241 TGCTCCAACAACAGCATCGTATGGCAATTGGNGGACGCGGTGCTTCATGTTCCTGGATGT 300
                                                                                            780 GTCGCCAGAGCTCTGGCACACGGTGTTAGGGTCCTGGAGGACGGGATAAATTACGCAACA
                                                                                                                                                                                                                       61 GTNGCCAGGGCCCTCGCGNATGGCGTGCGGGTCCTGGAGGACGGCGTAAATTATGNAACA 120
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TGCTCAAACAACAGCATCACCTGGCAGCTCACTGACGCAGTTCTCCATCTTCCTGGATGC
                                                                                                                                 E: Beveridge, DeGrandi, Weilacher & Young
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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POLYNUCLEOTIDES,
DETECTION SYSTEMS
                                                                                                                                                                                                                                                                                                                                                   57.0%;
71.8%;
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                                                                                                                                                                                                                                                                                                                                 Score 329.8; DB 2;
Pred. No. 2.3e-85;
6; Mismatches 157;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAEKILING,
APPLICANT: STUYVER, LIEVEN
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HER
TITLE OF INVENTION: AND THEIR USE AS PR
TITLE OF INVENTION: ACENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSE: ARNOLD, WHITE & DURKEE
ADDRESSE: ARNOLD, WHITE & DURKEE
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US-08-836-075A-19
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                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                   PILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                      MOLECULE TYPE:
HYPOTHETICAL: 1
ANTI-SENSE: NO
                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
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ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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APPLICATION NUMBER:
                                                                             TYPE: nucleic
STRANDEDNESS:
TOPOLOGY: lin
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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Query Match

Best Local Similarity

49.8%;

Score 288.4; DB 3; Pred. No. 6.6e-74;

Length 447;

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       APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
BEGISTRATION NUMBER: 22 775
                                                                                                                                                                                                                                                                      ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 /
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: MAERTENS,
APPLICANT: STUYVER, I
                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ARNOLD, W
                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
 REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                    STREET:
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207
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US-09-539-601-1
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                                                                                                      SOFTWARE: PatentIn Ver.
SEQ ID NO 1
LENGTH: 11076
TYPE: DNA
                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Bartenschlager, Ralf FW
TITLE OF INVENTION: Hepatitis C Virus Cell Culture
FILE REFERENCE: all sequences
CURRENT APPLICATION NUMBER: US/09/539,601C
                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/09539601C Patent No. 6630343
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                                                                                                                                                               CURRENT FILING DATE: 2001-08-30
EARLIER ADPLICATION NUMBER: 199 15 178.4 GERMANY
EARLIER FILING DATE: 1999-04-03
NUMBER OF SEQ ID NOS: 51
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           FEATURE:
NAME/KEY: 5'UTR
LOCATION: (1)..(341)
OTHER INFORMATION: construct 1389/Core-3'/wt
FEATURE:
                                                                                       ORGANISM: Hepatitis
NAME/KEY: CDS
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LENGTH: 447 base pairs
TYPE: nucleic acid
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Local Similarity 72.9%;
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Pred. No. 2e-64
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                                                                                                                   RESULT 12
Sequence 19, Application US/09539601C Patent No. 6630343
GENERRAL INFORMATION:
APPLICANT: Bartenschlager, Ralf FW
TITLE OF INVENTION: Hepatitis C Virus
FILE REFERENCE: all sequences
CURRENT APPLICATION NUMBER: US/09/539,
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Best Local
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OTHER INFORMATION: OTHER INFORMATION: W
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LOCATION: (120
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OTHER INFORMATION: hepa
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LOCATION: (10846)..(11076)
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DRMATION: hepatitis C virus polyprotein from core to DRMATION: nonstructural protein NS5B; parental sequence DRMATION: without cell culture-adaptive mutations
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CURRENT FILING DATE: 2001-08-30
EARLIER APPLICATION NUMBER: 199 1:
EARLIER FILING DATE: 199-04-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 19
SEQ ID NO 19
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TYPE: DNA
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OTHER INFORMATION: internal ribosome entry site
OTHER INFORMATION: encephalomyocarditis virus
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LOCATION: (1)..(341)
OTHER INFORMATION: C
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LOCATION: (1084)
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NAME/KEY: CDS
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GTCGCCCAGCTGTTCACCTTCTCGCCTCGCCGGCACGAGACAGTACAGGACTGCAATTGC
                  GCTGCACAGGCTTTCATCGTGGCACCGAAGCGCCATTACTTCGTCCAGGAATGCAATTGC
                                                         GGGGCGGCTGCTCTGCTCCGCTATGTACGTGGGAGATCTCTGCGGATCTGTTTTCCTC
                                                                            GCGGCCAGGAACGCTAGCGTCCCCACTACGACGATACGACGCCATGTCGATTTTGCTCGTT
                                                                                                                                              gccgrgagcaaaccrggrgcrcrcaccaagggacrgcgggcacgcarrgargccgrcgrg
                                                                                                                                                                                                                                           TGCTCCAACGCATTGTGTATGAGGCAGCGGACATGATCATGCATACCCCCGGGTGC
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Pred. No. 2.9e-63;
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Best Local Similarity
Matches 372; Conserv
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TITLE OF INVENTION: Hepatitis C Virus Cell Culture System
FILE REPERENCE: all sequences
CURRENT APPLICATION NUMBER: US/09/539,601C
CURRENT FILING DATE: 2001-08-30
EARLIER APPLICATION NUMBER: 199 15 178.4 GERMANY
EARLIER FILING DATE: 1999-04-03
NUMBER OF SEQ ID NOS: 51
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NAME/KEY: 5'UTR
LOCATION: (1)..(341)
OTHER INFORMATION: c
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OTHER INFORMATION: hepati
OTHER INFORMATION: nonstr
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OTHER INFORMATION: inter
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LOCATION: (10846)..(11076)
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LOCATION: (12)
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NAME/KEY: CDS
LOCATION: (342)..(1193)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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No. 6630343
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                                                                      GCTGCCAGGGCCCTGGCGCATGGCGTCCCGGGTTCTGGAGGACGGCGTGAACTATGCAACA
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TGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACATGATCATGCATACCCCCGGGTGC
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Pred. No. 2.9e-63;
0; Mismatches 206;
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                                                                                                                                                      Query Match
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SEQ ID NO 31
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GENERAL INFORMATION:
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                                                                                                                Matches
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CURRENT APPLICATION NUMBER: US/09/539,601C
CURRENT FILING DATE: 2001-08-30
EARLIER APPLICATION NUMBER: 199 15 178.4 GERMANY
EARLIER FILING DATE: 1999-04-03
NUMBER OF SEQ ID NOS: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Bartenschlager, Ralf FW
TITLE OF INVENTION: Hepatitis C Virus Cell Culture System
FILE REFERENCE: all sequences
                                                                                                                                                                                                                                                    LOCATION: (1813)..(10845)
OTHER INFORMATION: hepatitis C virus polyprotein from core
OTHER INFORMATION: nonstructural protein NS5B; carries cell
OTHER INFORMATION: adaptive mutations from clone no. 19
                                                                                                                                                                                                                NAME/KEY: 3'UTR
LOCATION: (1084
                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: RBS
LOCATION: (1202)..(1812)
OTHER INFORMATION: inter
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OTHER INFORMATION: hepatitis C virus core - neomycin
OTHER INFORMATION: phosphotransferase fusion protein
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OTHER INFORMATION: construct I389/Core-3'
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                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: internal ribosome entry site OTHER INFORMATION: encephalomyocarditis virus
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                                                                        ACGTGCGGNTNTGCCGACCTCATGGGGTACATNCCCGTTGTCGGCGCCCCGGTGGGCGGG
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                                                                                                                Conservative
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                                                                                                                                  Score 253.8; DB 3; Pred. No. 2.9e-63;
                                                                                                                  Mismatches 206;
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RESULT 15
US-08-836-075A-47
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                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                        FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                            APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERTENS, APPLICANT: STUYVER,
                  APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                         STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET:
CITY: H
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATGTCCGCCACCCTCTGCCCTGTACGTGGGAGATGTGTGCGGCGCAGTGATA 480
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCTGCCAGGGCCTGGCGCATGGCGTCCGGGTTCTGGAGGACGGCGTGAACTATGCAACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCAATATATCCCGGCCACGTGACAGGTCACCGTATGGC 2768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GCTGCACAGGCTTTCATCGTGGCACCGAAGCGCCATTACTTCGTCCAGGAATGCAATTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GTGCCCTGCGTTCGGGAGAACAACTCCTCCCGCTGCTGGGTAGCGCTCACTCCCACGCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGGAATCTGCCCGGTTGCTCCTTTTCTATCTTCCTTTTGGCTTTGCTGTCCTGTTTGACC
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Best Local :
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REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
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                                                                                                                                                                                                                                                 GTCCCCTGCGAGAATAGCTCCGGTCGGTTCCACTGTTGGATCCCCGATCTCCGCCCAACATA
                                                                                                                                TGCTCCAACAACAGCATCGTATGGCAATTGGNGGACGCGGTGCTTCATGTTCCTGGATGT
                                                                                                                                                                                                                                                                                                                                            ACGCCTGCCTCCGCACTAAACTATGCTAACAAGTCTGGGCTGTATCATCTAACCAATGAC
                                                                                                                                                                                                                                                                                                                                                                      GGGAACCTCCCTGGTTGCTCCTTTTCTATCTTCTNGTTGGCTCTTCTGTCTTGTGTCACC
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                          TCCATATACCCAGGCCACATTACAGGTCATCGCATGGCG 579
                                                        GTTGGGCAGTTGTTCACGTTCAGACCCAGGATGTATGAGATCGCCCAGGACTGCAACT
                                                                                 GCTGCACAGGCTTTCATCGTGGCACCGAAGCGCCATTACTTCGTCCAGGAATGCAATTGC
                                                                                                            GGTGCTGCTGCGTTCTGCCCATGTACGTGGGCGACTTATGCGGTGGGCTCTTTCTC
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Search completed: January 11, Job time: 145.893 secs 04:37:45

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Result
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Run on:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgm2_6/ptodata/1

2: /cgm2_6/ptodata/1

3: /cgm2_6/ptodata/1

4: /cgm2_6/ptodata/1

5: /cgm2_6/ptodata/1

6: /cgm2_6/ptodata/1

7: /cgm2_6/ptodata/1

9: /cgm2_6/ptodata/1

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Match
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/cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
/cgn2_6/ptcdata/1/ina/H_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCOMB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length DB
                                              GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd.
                                                                                                 US-08-836-075A-17
US-08-878-281A-143
US-08-836-075A-75
US-07-925-695-2
US-07-925-695-2
US-07-925-695-7
US-09-014-416-4
US-09-827-688-7
US-09-827-688-7
US-09-827-688-7
US-09-827-688-7
US-09-827-688-7
US-08-811-566-5
US-09-823-895A-26
US-09-934-756-13
US-09-934-756-13
US-09-934-756-1
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Sequence 17, Appl
Sequence 75, Appli
Sequence 75, Appli
Sequence 6, Appli
Sequence 7, Appli
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Sequence 3, Appli
Sequence 39, Appli
Sequence 26, Appli
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Sequence 14, Appl	Sequence 17, Appl	Sequence 3, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 9, Appli	Sequence 9, Appli	Sequence 9, Appli	Sequence 9, Appli	Sequence 176, App	Sequence 41, Appl	Sequence 9, Appli	Sequence 19, Appl	Sequence 19, Appl	Sequence 1, Appli	Sequence 21, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 11, Appl

ALIGNMENTS

Sequence 17, Application US/08836075A PACENT NO. 6180768 GENERAL INFORMATION: APPLICANT: APPLICANT: STUTVER, LIEVEN APPLICANT: APPLICANTON AND STATE: TEXAS COUNTR: USA COUNTR: COMPUTER READABLE FORM: APPLICATION NUMBER: APPLICATION AND APPLICATION

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Best Local Similarity
Matches 955; Conser
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              GTCCAGGAATGCAACTGCTCCATATACCCAGGCCATATCACAGGACATCGAATGG
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                                                               TGCGGCGCTGTGATGATAGCAGCGCAAGTTGCCGTCGTCTCACCGCAATACCATACTTTT
                                                                                                 CACATTGATACCATCGTGATGTCCGCCACCCTCTGCTCTGCCCTATACATAGGGGACCTA
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 GTCCAGGAATGCAACTGCTCCATATACCCAGGCCATATCACAGGACATCGAATGG
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RESULT

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Sequence 143, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatiti
; TITLE OF INVENTION: and therapy
; FILE REFERINCE: 35
; CURRENT APPLICATION NUMBER: US/09/878,281A
; CURRENT FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 284
; SOFTMARE: Patentin version 3.1
; SEQ ID NO 143
; EUNCTH: 957
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-143
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               GCGGTCTCGCCCAACGTGGCTGTGAGCCGACCTGGTGCTCTCACTAGAGGTCTGCGGGCT
                                                                            CTCCATGTTCCTGGATGTGTCCCCTGTGAGAGGTCAGGTAATAGGACCTTCTGTTGGACA
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Pred. No. 1.4e-216;
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; ANTI-SENSE: 1
US-08-836-075A-75
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US-08-836-075A-75
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 75
Patent No.
                                                                                       Query Match
Best Local :
                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MAERTENS, APPLICANT: STUVVER, I TITLE OF INVENTION: ITILE OF INVENTION: ITILE OF INVENTION: I
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APPLICATION NUMBER: US/01
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                              TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                               y Ma.
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780;
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61 GACGTTAAGTTCCCGGGCGGCCGGCCAGATCGTTGGCGGAGTTTACTTGTTGCCGCGCAGG 120
                                        1 ATGAGCACAAATCCTAAACCTCAAAGAAAAACTAAAAGAAACACTAACCGTCGCCCACAG 60
                                                                         h 72.3%;
Similarity 81.8%;
80; Conservative
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                                                                        Score 691.8; DB 3;
Pred. No. 6.2e-205;
5; Mismatches 169;
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                                 ; Sequence 1, Application US/07925695
; Patent No. 5428145
; GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
; APPLICANT: NAKAMURA, Tetsuo
; TITLE OF INVENTION: NON-B, NON-B
; TITLE OF INVENTION: POLYNUCLEOTID
; TITLE OF INVENTION: DETECTION SYS
                                                                                                                                        RESULT 4
US-07-925-695-1
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            NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
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                        , Tetsuo
NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC
DETECTION SYSTEMS
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DeGrandi, Weilacher & Young
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CTCCATGTTCCTGGATGTGTCCCCCTGTGAGAGGTCAGGTAATAGGACCTTCTGTTTGGACA 720
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GTCCAGGACTGTAACTGTTCCATCTACCCGGGCCACATAACGGGGCCTCGTATG
                                                                GTCCAGGAATGCAACTGCTCCATATACCCAGGCCATATCACAGGACATCGAATG 954
                                                                                                                                       TGTGGCGCGATAATGATAGCTGCCCAAGTGGTCATCGTCTCGCCGGAGCATCATCACTTT
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Matches
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INFORMATION FOR SEQ ID NO:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEPAX: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1850 M St
CITY: Washington
STATE: D.C.
COUNTRY: US
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TYPE: NUCLEIC ACID
STRANDEDNESS: single
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                                                     GGCGCCCTGTGGGCGCGTTGCCAGAGCCCTCGCGCATGGCGTGCGGGTCCTGGAGGAC
                                                                                                              AAGGTCATCGATACCCTCACGTGTGGCTTTGSCGACCTCATGGGGTACATACCTGTCGTC 420
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GGGATAAATTATGCAACAGGGAACTTGCCCGGTTGCTCCTTTTCTATCTTCTTGCTGGCT
                            GGCGCCCCGCUCGGCGCGUCGCCAGAGCUCUCGCGCAUGGCGUGAGAGUCCUGGAGGAC
                                                                                   CGAGGUUCCCGUCCCUCUUGGGGCCCCAAUGACCCCCGGCAUAGGUCCCCGCAACGUGGGU
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Sequence 2, Application US
Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hi
APPLICANT: NAKAMURA, T
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION DATA:
                                                                                                             APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY, AGENT INFORMATION:
NAME: Weilacher, Robert G.
                                                                                                                                                                                                                                                                           APPLICATION NUMBER: UP1LING DATE: 1992080: CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: TITLE OF INVENTION:
                                    REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
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: (202) 659-2811
(202) 659-1462
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Best Local Similarity
Matches 779; Conserv
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TYPE: NUCLEIC ACID
STRANDEDNESS: single
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GTCCAGGAATGCAACTGCTCCATATACCCAGGCCATATCACAGGACATCGAATGG 955
                                                              IGCGGCGCTGTGATGATAGCAGCGCAAGTTGCCGTCGTCTCACCGCAATACCATACTTTT
                                                                                                                                                                  CCGGTCTCACCGAATGTGGCCGTGCAGCAGCCCGGCGCCCTCACGCAGGGCTTACGGACG
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81.6%;
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Pred. No. 4.7e-199;
1; Mismatches 175;
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US-07-925-695-6
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                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
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CORRESPONDENCE ADDRESS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2811
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                    TYPE: NUCLEIC ACID STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                               Local
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CITY: Washington
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                                                                                                                                                                                                                                                                                                           66.9%; Score 640.6; DB 2; 62.9%; Pred. No. 1.8e-188;
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NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
DETECTION SYSTEMS
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RESULT 7
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Patent No. 5428145
GENERAL INFORMATION:
                                                           STREET: 1850 M Street,
CITY: Washington
STATE: D.C.
STATE: D.C.
COUNTRY: US
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy d.
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APPLICANT: NAKAMURA, T
TITLE OF INVENTION: PO
TITLE OF INVENTION: DI
TITLE OF INVENTION: DI
                                                                                                                                                                                       NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Beveridge
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
URRENT APPLICATION DATA:
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                                                                                                                                                                       1850 M Street,
                                                                                                                                                                                                                                                                                                           OKAMOTO, Hiroaki
                                                                                                                                                                       Beveridge, DeGrandi, Weilacher & Young
350 M Street, N.W., Suite 800
                                                                                                                                                                                                                        , Tetsuo
NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC
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LENGTH: 9511 base pairs
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 05-DEC-1991
ATTORNEY AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: NUCLEIC ACID STRANDEDNESS: single
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                                                                                                                                                                            GGGATAAATTATGCAACAGGGAACTTGCCCCGGTTGCTCCTTTTCTATCTTCTTGCTGCCT
                                                                                                                                                                                                                                                                                                                 AAGGTCATCGATACCCTCACGTGTGGCTTTGSCGACCTCATGGGGTACATACCTGTCGTC
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                        TACTACGCCACTAATGATTGCTCAAACAACAGCATCACCTGGCAGCTCACTGACGCAGTT
                                             TACATGGCGACTAATGACTGTGCCAATGACAGCATCGTCTGGCAGCTCAGGGACGCGGTG
                                                                                                             CTCTTGTCTTGTATCACCGTGCCCGTGTCTGCCATACAGGTTAAGAACAACAGCCACTTC
                                                                                                                                                           GGCGCCCCGGTYGGAGGCGTCGCCAGAGCTCTGGCACACGGTGTTAGGGTCCTGGAGGAC
                                                                                                                                                                                                                                                               GGCGCCCCTGTGGGGCGGCGTTGCCAGAGCCCTCGCGCATGGCGTGCGGGGTCCTGGAGGAC
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                                                                                        CTTCTGTCATGCGTCACARTGCCAGTGT
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05-DEC-1991
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Pred. No. 1.8e-188;
                                                                                         CTGCAGTGGAAGTCAGGAACATYAGTTCTAGC
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Indels Length 9511; 0,

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GENERAL INFORMATION:

APPLICANT: Yanagi, Masayuki

APPLICANT: Bukh, Jens

APPLICANT: Bukh, Jens

APPLICANT: Buck, Jens

APPLICANT: Buckell, Robert H.

APPLICANT: Purcell, Robert H.

TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: 20264276

CURRENT APPLICATION NUMBER: US/09/014,416

CURRENT FILING DATE: 1998-01-27

EARLIER APPLICATION NUMBER: US 60/053,062

EARLIER FILING DATE: 1997-07-18

NUMBER OF SEQ ID NOS: 65

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 4

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; TYPE: DNA
; ORGANISM: Hepatitis
US-09-014-416-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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Best Local Similarity
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                                                                                             TACCCTTGGCCCCTGTACGGGAACGAGGGCCTCGGCTGGGCAGGGTGGCTCCTGTCCCCC
                                                                                                                                                                                       AGGCGCCAGCCCATCCCAAAAGATCGGCGCGCCACTGGCAAGTCCTGGGGACGTCCAGGA
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                                   CGGGGCTCTCGCCCCTCGTGGGGCCCAAACGACCCCCCGGCACAGGTCACGCAACTTGGGT 360
                                                                                                                                                                                                                               GGCCCCAGGTTGGGTGTGCGCGACTAGGAAGGCTTCCGAGCGGTCGCAACCTCGTGGA
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                                                                                                                                                     AGGCGACAACCTATCCCAAAGGCTCGCCGACCCGAGGGCAGGGCCTGGGCTCAGCCCCGGG
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 CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAACTTGGGT
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Pred. No. 1.1e-150;
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                                                                                                                                               FILE REFERENCE: 20264276

CURRENT APPLICATION NUMBER: US/09/014,416

CURRENT FILING DATE: 1998-01-27

EARLIER APPLICATION NUMBER: US 60/053,062

EARLIER FILING DATE: 1997-07-18

NUMBER OF SEQ ID NOS: 65

SOOTWARRE: PatentIN Ver. 2.1

SEQ ID NO 6

LENGTH: 9599

TYPE: DNA

ORGANISM: Hepatitis C virus

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application Patent No. 6153421
                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Yanagi, Masayuki
APPLICANT: Bukh, Jens
APPLICANT: Emerson, Susanne U.
APPLICANT: Purcell, Robert H.
TITLE OF INVENTION: CLONED GENOMES
TITLE OF INVENTION: USES THEREOF
                                                                                             Local
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                   ATGAGCACAAATCCTAAACCTCAAAGAAAAACTAAAAGAAACACTAACCGTCGCCCACAG
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 ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
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llarity 71.4%;
Conservative
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                                                                       Score 519.4; DB 3;
Pred. No. 1.1e-150;
1; Mismatches 272;
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Sequence 7, Application US/09827688
Patent No. 6821955
GENERAL INFORMATION:
APPLICANT: ORSON, FRANK
APPLICANT: KINSEY, BERMA
APPLICANT: HHOGAL, BALBIR
TITLE OF INVENTION: MACROAGREGATED PROTEIN CONJUGATES
FILE REFERENCE: P01949US1/10004014
CURRENT APPLICATION NUMBER: US/09/827,688
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PRIOR APPLICATION NUMBER: 60/195,680
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.0
SEQ ID NO 7
LENGTH: 9365
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Pred. No. 3.3e-150;
1; Mismatches 273;
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US-08-811-566-5
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APPLICANT: Rice, Charles et al.
TITLE OF INVENTION: VIRUS (HCV) AND USES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
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MEDIUM TYPE: Floppy of COMPUTER: IBM PC com
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1113-1-006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
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HYPOTHETICAL:
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ADDRESSEE: David A. Jackson,
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FILING DATE: 03-MAR-1997
CLASSIFICATION: 435
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les 680; Conserv
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OPERATING SYSTEM: PC-DOS/MS-DOS
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TYPE: nucleic acid
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TACCCTTGGCCCCTGTACGGGAACGAGGGCTCGGCTGGGCAGGGTGGCTCCTGTCCCCC
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                                                                                                                                                                                                              GACGTCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGG
                                                                                                                                                                                                                                                                                                                              ATGAGCACAAATCCTAAACCTCAAAGAAAAAACTAAAAGAAAACACTAACCGTCGCCCACAG 60
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                                                                                                                                      GGCCCTAGATTGGGTGTGCGCGACGAGGAAGACTTCCGAGCGGTCGCAACCTCGAGGT
                                                                                                                                                                                                                                                GACGTTAAGTTCCCGGGCGGCCGGCCAGATCGTTGGCGGAGTTTACTTGTTGCCGCGCAGG 120
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                                                                                            AGGCGCCAGCCCATCCCAAAAGATCGGCGCGCCACTGGCAAGTCCTGGGGACGTCCAGGA 240
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                                                          AGACGTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG 581
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Pred. No. 1.3e-149;
1; Mismatches 274;
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Continental
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                                                                                                                                                                                                                                                                                                                                            Sequence 5, Application US/09034756
PATENT NO. 6392028
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
FUNCTIONAL DNA CLONE FOR HEPATITIS
VIRUS (HCV) AND USES THEREOF
                STATE: MO
COUNTRY: USA
ZIP: 63105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ver
CURRENT APPLICATION NUMBER: US/09/034,756
FILING DATE: 04-May-1998
CLASSIFICATION: CURROWN>
                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFERKAMP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1182
      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 314-727-6092 INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 12980 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 603
TELECOMMUNICATION INFORMATION:
                                                           1002
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                          GCGGTCTCGCCCAACGTGGCTGTGAGCCGACCTGGTGCTCACTAGAGGTCTGCGGGCT
                                                                             CTCCATGTTCCTGGATGTGTCCCCCTGTGAGAGGTCAGGTAATAGGACCTTCTGTTGGACA
                                                                                                                                                                                                                       CTCTTGTCTTGTATCACCGTGCCCGTGTCTGCCATACAGGTTAAGAACAACAGCCACTTC
                                                                                                                                                                                                                                                       TELEPHONE: 314-727-5188
GCGGTGACCCCCACGGTGGCCACCAGGGACGGCAAACTCCCCCACAACGCAGCTTCGACGT
                                                             CTGCACACTCCGGGGTGTGTCCCTTGCGTTCGCGAGGGTAACGCCTCGAGGTGTTGGGTG
                                                                                                                            TACCATGTCACCAATGATTGCCCCTAACTCGAGTATTGTGTACGAGGCGGCCGATGCCATC
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Pred. No. 1.3e-149;
1; Mismatches 274;
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CURRENT APPLICATION UNMBER: US/10/259,275
CURRENT FILING DATE: 2003-01-13
PRIOR APPLICATION NUMBER: US 60/171,909
PRIOR FILING DATE: 1999-12-23
PRIOR FILING DATE: 2000-12-23
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR FILING DATE: 2001-9-27
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR FILING DATE: 2001-9-27
PRIOR FILING DATE: 2001-9-3
PRIOR FILING DATE: 3001-9-27
PRIOR APPLICATION VERSION 3.0
SEQ ID NO 39
LENGTH: 9275
TYPE: DNA
ORGANISM: ARTIFICIAL
FEATURE:
PRIORE THEODMARTION: micleotide seguence enco
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US-10-259-275-39
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Sequence 39, App...
692163
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APPLICANT: Yi, MinKyung
TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF
FILE REFERENCE: 265.0007 0120
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71.1%;
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Pred. No. 3.3e-149;
1; Mismatches 275;
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RESULT 14
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                                                            COMPUTER: IBM 486
ODERATING SYSTEM: WINDOWS FOR WORKGRO ODERATING SYSTEM: WORKERS FOR WORKGRO ODERATION DATA:
APPLICATION UNMBER: US/08/823,895A
FILING DATE: MACCH 17, 1997
CLASSIFICATION: 514
PRIOR APPLICATION UNMBER: 08/453,085
FILING DATE: MAY 30, 1995
FILING DATE: MAY 30, 1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Compositions And Methods For TITLE OF INVENTION: Treatment Of Hepatitis C Virus-Associated Diseases NUMBER OF SEQUENCES: 27
APPLICATION NUMBER: 07/945,
FILING DATE: September 10,
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE,
                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Jane Massey Licata,
STREET: 66 E. Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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TELEFAX: (609) 810-1454
INFORMATION FOR SEQ ID NO: 26
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TYPE: Nucleic
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   CATATCGATCTGCTTGTCGGGAGCGCCACCCTCTGCTCGGCCCTCTACGTGGGGGACCTG
                              CACATTGATACCATCGTGATGTCCGCCACCCTCTGCTCTGCCCTATACATAGGGGACCTA
                                                                    GCGGTGACCCCCACGGTGGCCACCAGGGACGGCAAACTCCCCACACGCAGCTTCGACGT
                                                                                                   GCGGTCTCGCCCAACGTGGCTGTGAGCCGACCTGGTGCTCTCACTAGAGGTCTGCGGGCT
                                                                                                                                    CTGCACACTCCGGGGTGTGTCCCTTGCGTTCGCGAGGGTAACGCCTCGAGGTGTTGGGTG
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Pred. No. 3.3e-149;
1; Mismatches 275;
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APPLICANT: MATTI SAIlberg
APPLICANT: Catharina Hultgren
TITLE OF INVENTION: VACCINES CONTAINING RIBAVIRIN AND
TITLE OF INVENTION: METHODS OF USE THEREOF
FILE REFERENCE: TRIPEP.23AUSC1
CURRENT APPLICATION NUMBER: US/10/104,966
CURRENT FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: 09/705,547
PRIOR FILING DATE: 2000-11-03
PRIOR FILING DATE: 2000-18-93
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 9416
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: THEORYTHIS HELLING SECURE TO THE THEORYTH SECURE TO THE THEORY SECURE TO THE THEORYTH SECURE TO THE THEORYTH SECURE TO THE THEORY 
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US-10-104-966-13
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GENERAL INFORMATION:
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481
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GGGATAAATTATGCAACAGGGAACTTGCCCCGGTTGCTCCTTTTCTATCTTCTTGCTGGCT 540
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                                                            GGCGCCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCCGGGTTCTGGAAGAC
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Pred. No. 3.3e-149;
1; Mismatches 275;
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1182 TGCGGGTCTGTTCTTGTTGGTCAACTGTTTACCTTCTCTCCCAGGCACCACTGGACG	Db 1
841 TGCGGCGCTGTGATGATAGCAGCGCAAGTTGCCGTCGTCTCACCGCAATACCTTTT	ОУ
1122 CATATCGATCTGCTTGTCGGGAGCGCCACCCTCTGCTCGGCCCTCTACGTGGGGGACCTG	Db 1
781 CACATTGATACCATCGTGATGTCCGCCACCCTCTGCTCTGCCCTATACATAGGGGACCTA	Qy
1062 GCGGTGACCCCCACGGTGGCCACCAGGGACGGCAAACTCCCCACAACGCAGCTTCGACGT	Db 1
721 GCGGTCTCGCCCAACGTGGCTGTGAGCCGACCTGGTGCTCTCACTAGAGGTCTGCGGGCT	VΩ
1002 CTGCACACTCCGGGGTGTGTCCCTTGCGTTCGCGAGGTAACGCCTCGAGGTGTTGGGTG	Db 1
661 CTCCATGTTCCTGGATGTGTCCCCTGTGAGAGGTCAGGTAATAGGACCTTCTGTTGGACA	Qy
942 TACCATGTCACCAATGATTGCCCTAACTCGAGTGTTGTGTACGAGGCGGCCGATGCCATC	Db
601 TACATGGCGACTAATGACTGTGCCAATGACAGCATCGTCTGGCAGCTCAGGGACGCGGTG	γQ
882 CTGCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCTT	Db
541 CTCTTGTCTTGTATCACCGTGCCCGTGTCTGCCATACAGGTTAAGAACAACAGCCACTTC	Qγ
	Db

Search completed: January 11, 2006, 04:37:47
Job time: 239.834 secs

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Result
No.
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Perfect score:
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Maximum Match 100
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence:
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          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
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US-07-925-695-2
US-07-925-695-7
US-08-836-075A-25
US-07-925-695-7
US-08-836-075A-25
US-07-925-695-7
US-08-836-075A-25
US-08-468-570-27
US-08-468-570-27
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US-08-468-570-28
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Million cell updates/sec
Sequence 19, Appl
Sequence 77, Appl
Sequence 73, Appl
Sequence 13, Appl
Sequence 23, Appli
Sequence 2, Appli
Sequence 6, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 27, Appli
Sequence 27, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 27, Appl
Sequence 28, Appl
Sequence 26, Appl
Sequence 26, Appl
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US-08-836-075A-19
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41.3	41.3	41.3	41.3	43.9	43.9	43.9	43.9	43.9	44.8	45.1	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.5	48.5	48.5
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33	•	-	•	•	•	•	•	•	•	Sequence 21, Appl	•	•	•	•	-	•	Sequence 26, Appl	Sequence 26, Appl	Sequence 26, Appl	Sequence 26, Appl

ALIGNMENTS

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1994
PRIOR APPLICATION NUMBER: EP 94870166.7
FILING DATE: 23 Unt 1995
PRIOR APPLICATION NUMBER: EP 95870076.7
PRIOR APPLICATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION FOR SEQ ID NO: 19:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: MAERTENS, G
APPLICANT: STUYVER, LI
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
TITLE OF INVENTION: AC
NUMBER OF SEQUENCES: 2
                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
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HYPOTHETICAL:
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ZIP: 77210-4433
                                                     STRANDEDNESS: single
                                    TOPOLOGY:
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, LIEVEN
, LIEVEN
HER SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
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Best Local Similarity
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
PILING DATE: 21 CCT 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                               APPLICANT: MERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                   STATE:
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; MOLECULE TYPE: ;
; HYPOTHETICAL: NO;
; ANTI-SENSE: NO
US-08-836-075A-17
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Sequence 75, Application US/08836075A
Parent No. 6180768
GENERAL INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
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Best Local Similarity
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                                                      NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHIT
STREET: P.O. BOX 4433
CITY: HOUSTON
                                                                                                                                 APPLICANT: MAERTENS, C
APPLICANT: STUYVER, LI
TITLE OF INVENTION: NE
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
COMPUTER READABLE FORM:
         STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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Pred. No. 6.4
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US-08-836-075A-15

US-08-836-075A-15

; Sequence 15, Application US/08836075A

; Patent No. 6180768

; GENERAL INFORMATION:
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PRILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 958700

FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REFERENCE/DOCKET NUMBER: INNS

INFORMATION FOR SEQ ID NO: 75:

SEQUENCE CHARACTERISTICS:

LENGTH: 1195 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 344; Conservative
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Best Local Similarity
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FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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ANTI-SENSE: 1
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COMPUTER: IB
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                                                                                                                                                                                                                                                                          1016
                                                                                                                                                                     421
                                                                                                                                                                                                                                      361
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                                                                                                                                                                                                                                                                                                                                              956
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Pred. No. 1.1e-73;
3; Mismatches 100;
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                                                                                                                                                                   447
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Best Local Similarity
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PILLING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
PILLING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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HYPOTHETICAL:
ANTI-SENSE: NO
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CORRESPONDENCE ADDRESS:
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CITY: HOUSTON
STATE: TEXAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
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ZIP: 77210-4433
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                                  301 ACGCACATTGACACCATCGTGATGGTCGCTACGCTCTGTTCTGCACTCTACATCGGGGAC
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GCACGCATTGATGCCGTCGTGATGTCCGCCACCCTCTGCTCTGCCCTGTACGTGGGAGAT
                                                                                                        ATACCGGTCACTCCCAACGTGGCTGTGAACCAGCCCGGCGCCCTCACTAGGGGCTTGCGG 300
                                                                                                                                                                                                                                                                                             GCTCTTCTGTCTGTCACCGTGCCTGTCTCTGNCGTTGAGGTCAAAAATACCAGTCAG
                                                                          ATCCCGATCTCGCCCAACATAGCCGTGAGCAAACCTGGTGCTCTCACCAAGGGACTGCGG
                                                                                                                                              MAERTENS, GEERT
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77.6%;
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GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 143
LENGTH: 957
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US-08-836-075A-23
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                                            Sequence 23, Application Patent No. 6180768 GENERAL INFORMATION:
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Best Local Similarity
Matches 345; Conserv
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Patent No. 6762024
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APPLICANT: MAERTENS, APPLICANT: STUYVER, I
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LIEVEN
NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
                                                                                US/08836075A
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Pred. No. 2.7e-72;
0; Mismatches 101;
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; MOLECULE TYPE:
; HYPOTHETICAL: N
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORWATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NNS:004
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: mucleic acid
STRADERNESS: single
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Best Local :
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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CITY: HOUSTON
STATE: TEXAS
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ZIP: 77210-4433
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STREET: P.O. BOX 4433
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                                 GTGTGTGGCGCGGTGATGATAGCTGCTCAGGTTGTCATTGTCTCGCCGCAACATCACAAC
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TTCTGCGGCGCAGTGATGTTGGTCTCTCAATTTTTCATGATCTCCCCTCAGCACCACATC
                                                                                                                             ACGCACATTGACACCATCGTTGCGTCTGCTACCGTCTGCTCAGCTTTGTATGTGGGCGAC
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US-07-925-695-1
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US-07-925-695-1
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GENERAL INFORMATION
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                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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APPLICATION NUMBER: US/07/925,695
FILLING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 61.0%; Score 272.6; DB 2; Length 9589; Local Similarity 57.7%; Pred. No. 1.6e-68; nes 258; Conservative 80; Mismatches 109; Indels 0;
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OPERATING SYSTEM: PC-DOS/MS-DOS
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 Matches 338;
                 Query Match
Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JI
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TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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APPLICATION NUMBER:
FILING DATE: 05-DEC-
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                            TYPE: NUCLEIC ACID STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                      NAME: Weilacher, Robert G. REGISTRATION NUMBER: 20,53
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                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
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                                                                                                                                                9589 base pairs
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|50 M Street, N.W., Suite 800
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05-DEC-1991
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                   61.0%;
75.6%;
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0; Mismatches 109;
                   Score 272.6;
Pred. No. 1.6
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                     1.6e-68;
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US-07-925-695-6
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APPLICANT: NAKAMURA, TEUBUO
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,
TITLE OF INVENTION: POLYNUCLBOTIDES, POLYPEPTIDES, ANTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20036
COMPUTER READABLE FORM:
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TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
                                                                                                                                                                                                                  FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1992080: CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: CAPPLICATION NUMBER: CAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                              NAME: Weilacher, Robert G. REGISTRATION NUMBER: 20,531 REFERENCE/DOCKET NUMBER: 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0
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CITY: Washington
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Sequence 7, Application US/07925695
Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
TITLE OF INVENTION: NON-A, NON-B I
TITLE OF INVENTION: DETECTION SYST
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                    ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                    STREET: 1850 M S
CITY: Washington
STATE: D.C.
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STRANDEDNESS: single
               APPLICATION NUMBER: UFFILING DATE: 19920807 CLASSIFICATION: 435
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                                                                                                                                                                                    COUNTRY: US
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                                                                                                                                                                                                                                                                                                                          NON-A, NON-B HEPATITIS VIRUS GENOME, POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC
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US-08-836-075A-25
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                                                                                                                                                                                           Sequence 25, Application Patent No. 6180768
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Best Local Similarity
Matches 325; Conserv
                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                      APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert
                                                                                                                                    APPLICANT: MAERTENS, APPLICANT: STUYVER, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELLEPHONE: (202) 659-2811
TELEPAX: (202) 659-1462
                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE: 09-AUC
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TYPE: NUCLEIC ACID
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Pred. No. 3e-64;
5; Mismatches 1
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Sequence 27, Application US/08086428B Patent No. 5514539
GENERAL INFORMATION:
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Best Local Similarity
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NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INI
INFORMATION FOR SEQ ID NO: 25:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6:0 / ASCII
CURRENT APPLICATION DATA:
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ANTI-SENSE: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: EP 94
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/I
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 356 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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                                                                                                                           ACACATATTGACATCATTGTCGCGTCCGCCACGTTCTGCTCTGCCTTGTATGTGGG
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77.2%;
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Pred. No. 1.1e-55;
0; Mismatches 81;
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180

60 60 0

300

240 240

APPLICANT: BUKH, J.,
APPLICANT: PURCELL, I
TITLE OF INVENTION: I
TITLE OF INVENTION: I

викн, ј.,

MILLER, R.H. AND

R.H.

NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 GENE

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RESULT 13
US-08-468-570-27
; Sequence 27, Application US/08468570
; Patent No. 5871962
; GENERAL INFORMATION:
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Best Local 9
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TITLE OF INVENTION: OF R
TITLE OF INVENTION: DIAG
NUMBER OF SEQUENCES: 159
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILING DATE: 29-UUN-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
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ORGANISM: home
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MEDIUM TYPE: FLOPPY DISK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y Match 49.6%;
Local Similarity 77.3%;
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TOPOLOGY: lir
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OPERATING SYSTEM: PC-DOS/MS-DOS
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STRANDEDNESS: single
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                                                                                                                                                                      TCTGCTCTTTACGTGGGGGACCTCTGCGGCGGGGTGATGCTCGCAGCCCAGATGTTCATC 303
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                                                                                                          GTCTCGCCGCAACATCACTGGTTTGTGCAAGACTGCAATTGCTCTATC
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OF REAGENTS DERIVED FROM THESE SEQUENCES IN
DIAGNOSTIC METHODS AND VACCINES
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Pred. No. 3.1e-54;
0; Mismatches 79;
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; INDIVIDUAL ISOLATE: US-08-468-570-27
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Best Local Similarity
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TELEX: 421792
INFORMATION FOR SEQ ID NO:
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FILING DATE: 29-JUN-1993
CLASSIFICATION: 424
ATTORNEY AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
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TITLE OF INVENTION: ANTI-
TITLE OF INVENTION: OF I
TITLE OF INVENTION: OF I
TITLE OF INVENTION: OF I
TITLE OF INVENTION: DIAM
NUMBER OF SEQUENCES: 15.
CORRESPONDENCE ADDRESS:
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LENGTH: 576 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/086,428
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APPLICATION NUMBER: US/
FILING DATE: 6-JUN-1995
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBL
OPERATING SYSTEM: PC-DOS/N
SOFTWARE: WORDPERFECT 5.1
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GTCTCGCCGCAACATCACAACTTTTCCCAGGATTGCAATTGTTCCATC
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ISOLATE: T4
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IBM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 GENE
OF 51 ISOLATES OF HEPATITIS C AND THE USE
OF REAGENTS DERIVED FROM THESE SEQUENCES IN
DIAGNOSTIC METHODS AND VACCINES
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77.3%;
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Pred. No. 3.1e-54;
0; Mismatches 79
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TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 7
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LENGTH: 576 base pairs
TYPE: nucleic acid
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TITLE OF INVENTION:
TITLE OF INVENTION:
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: FLOPPY DISK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORIGINAL SOURCE:
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ADDRESSEE: MORGAN & FINNEGAN
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REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                Local Similarity
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TCTGCACTCTACATCGGGGACGTGTGTGGGGCGCGGTGATGATAGCTGCTCAGGTTGTCATT 399
                                                                                 GCCCTCACTAGGGGCTTGCGGACGCACATTGACACCATCGTGATGGTCGCTACGCTCTGT 339
                                                                                                                            GGAAATACATCTCGGTGCTGGATACCGGTTTCACCAAACGTGGCCGTGCGGCAGCCCGGC
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                                                      GCCCTCACGCAGGGCTTGCGGACGCACATTGACATGGTTGTGATGTCCGCCACGCTCTGC 243
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Pred. No. 3.1e-54;
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US-08-466-601A-27
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: PURCELL,
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 576 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/0
FILING DATE: 29-JUN-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                        ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 06-JUN-
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: RICHARD W. BORK REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 10154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       244
220 GGCAATAAGTCCCGGTGCTGGATACCGGTCACTCCCAACGTGGCTGTGAACCAGCCCGGC
                                                                                                                                                            100 CAGGITTAAGAACACCAGTACCATGTACATGGCAACCAATGACTGTTCCAACAACAGCATC
                                                                                          160 ATCTGGCAAATGCAGGGCGCGGTGCTTCATGTTCCTGGATGTGTCCCGTGTGAGTTGCAG
                                                                                                                                                                                                         269;
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o. 6572864
                                                                                                                                 4 CAAGTGAAGAACACCACTAACAGCTACATGGTGACCAACGACTGTTCTAATGACAGCATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NEW YORK
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                                                        ACTTGGCAGCTCCAGGCCGCGGTCCTCCACGTCCCCGGGTGTCCCCGTGCGAGAAAACG
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 GENE
OF 51 ISOLATES OF HEPATITIS C AND THE USE
OF REAGENTS DERIVED FROM THESE SEQUENCES IN
DIAGNOSTIC METHODS AND VACCINES
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                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                        Score 221.6; DB 3;
Pred. No. 3.1e-54;
                                                                                                                                                                                                                                          Length 576;
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Search Job ti	Дb	Ş	망	Qy	망	Ş	뮹
Search completed: January 11, 2006, 04:37:48 Job time : 112.089 secs	304 GTCTCGCCGCAACATCACTGGTTTGTGCAAGACTGCAATTGCTCTATC 351	400 GTCTCGCCGCAACATCACAACTTTTCCCCAGGATTGCAATTGTTCCATC 447	244 TCTGCTCTTTACGTGGGGGACCTCTGCGGCGGGGGTGATGCTCGCAGCCCAGATGTTCATC 303	340 TCTGCACTCTACATCGGGGACGTGTGTGGCGCGCGGTGATGATAGCTGCTCAGGTTGTCATT 399	184 GCCTCACGCAGGCTTGCGGACGCACATTGACATGGTTGTGATGTCCGCCACGCTCTGC 243	280 GCCCTCACTAGGGGCTTGCGGACGCACATTGACACCATCGTGATGGTCGCTACGCTCTGT 339	124 GGAAATACATCTCGGTGCTGGATACCGGTTTCACCAAACGTGGCCGTGCGGCAGCCCGGC 183

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Result
No.
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
   Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Issued_Patents_NA:*
1: /cgm2_6/ptodata/1
2: /cgm2_6/ptodata/1
3: /cgm2_6/ptodata/1
4: /cgm2_6/ptodata/1
5: /cgm2_6/ptodata/1
6: /cgm2_6/ptodata/1
6: /cgm2_6/ptodata/1
7: /cgm2_6/ptodata/1
9: /cgm2_6/ptodata/1
9: /cgm2_6/ptodata/1
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Match
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310
1 atgagcacaaatcct
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Listing first 45 summaries
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/cgn2_6/ptcdata/1/ina/5_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
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/cgn2_6/ptcdata/1/ina/PCOMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
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   GenCore version 5.1.6 (c) 1993 - 2006 Compus
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                                          US-08-441-970-66
US-08-836-075A-17
US-08-836-075A-13
US-08-841-971-65
US-08-221-653-65
US-08-441-970-65
US-08-441-970-65
US-08-290-665A-125
US-08-290-665A-126
PCT-US95-10398-126
PCT-US95-10398-126
PCT-US95-10398-126
PCT-US95-10398-128
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US-08-290-665A-134

PCT-US95-10398-134

US-09-878-281A-143

US-08-441-971-66

US-08-221-653-66

US-08-442-144A-66
               US-07-925-695-1
US-07-925-695-2
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                                          Sequence 21, Appl
Sequence 134, App
Sequence 134, App
Sequence 66, Appl
Sequence 66, Appl
Sequence 66, Appl
Sequence 17, Appl
Sequence 13, Appl
Sequence 65, Appl
Sequence 65, Appl
Sequence 65, Appl
Sequence 65, Appl
Sequence 126, Appl
Sequence 126, Appl
Sequence 126, Appl
Sequence 126, Appl
Sequence 127, Appl
Sequence 128, Appl
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Appli
Appli
7, App
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45	44	43	42	41	40	39	38	37	36	35 5	34	ω ω	32	31	30	29	28	27	26	25
234.8	234.8	236.4	236.4	236.4	239.6	253.6	253.6	257.2	257.2	257.2	257.2	258.8	258.8	258.8	258.8	262	262	262	262	262
75.7	75.7	76.3	76.3	76.3	77.3	81.8			83.0	83.0	83.0	83.5	83.5	83.5		84.5		84.5	84.5	84.5
462	462	669	669	669	573	9511	9511	573	573	573	573	573	573	369	369	573	573	573	573	573
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PCT-US95-13552-1	US-08-854-531-1	US-08-454-928-7	US-08-143-578A-3	US-08-143-579A-3	US-09-194-949A-5	US-07-925-695-7	US-07-925-695-6	PCT-US95-10398-130	PCT-US95-10398-129	US-08-290-665A-130	US-08-290-665A-129	PCT-US95-10398-131	US-08-290-665A-131	US-08-449-093A-14	US-08-081-072-14	PCT-US95-10398-133	PCT-US95-10398-132	PCT-US95-10398-127	US-08-290-665A-133	US-08-290-665A-132
Sequence :	Sequence :	Sequence '	Sequence :	Sequence :	Sequence !	Sequence '	Sequence (Sequence :	Sequence	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :	Sequence :
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Appli	Appli	Appli	\ppli	Appli	Appli	Appli	Appli	App	App	App	App	App	App	App1	Appl	App	App	App	App	App

ALIGNMENTS

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: DTI/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1994
PRIOR APPLICATION NUMBER: EP 94870166.7
FILING DATE: 23 Oct 1994
PRIOR APPLICATION NUMBER: 1995
PRIOR APPLICATION NUMBER: 29,705.7
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NNS:004
INFORMATION FOR SEQ ID NO: 21:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, GAPPLICANT: STUYVER, LI
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
TOPOLOGY: 1
MOLECULE TYPE:
                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                         LENGTH: 310 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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                    linear
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D. BOX 4433
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AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
: 207
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RESULT 2
US-08-290-665A-134
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             TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 13
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1 Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity Matches 310; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: BUKH, J., MAPPLICANT: PURCELL, R.
TITLE OF INVENTION: NU
TITLE OF INVENTION: AM
TITLE OF INVENTION: AM
TITLE OF INVENTION: AM
TITLE OF INVENTION: SE
                                                                                          NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIE
                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 263
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
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                                                                                                                                                                    APPLICATION NUMBER: US/06
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   301
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: 573 base pairs nucleic acid
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100.0%; Pr
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                                                                                                                           2026-4116
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Pred. No. 7.9e-90;
); Mismatches 0;
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PCT-US95-10398-134
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                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,
FILING DATE: 29 JUNE 1993
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: PURCELL, I TITLE OF INVENTION: I TITLE OF INVENTION: I TITLE OF INVENTION: I TITLE OF INVENTION: I
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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ORGANISM: homo
                FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: BUKH, J., APPLICANT: PURCELL,
                                                                                                                                        APPLICATION NUMBER: PCT/US95/10398
FILING DATE: 15-AUG-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                    COUNTRY: U
                                                                                                                                                                                                                                                                                                                    CITY: NEW YORK
STATE: NEW YORK
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INDIVIDUAL ISOLATE: S83
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND CORE GENES OF ISOLATES OF HEDATITIS C VIRUS AND THE USE OF REAGENTS DERIVED FROM THESE SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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Pred. No. 5.8e-81;
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; ORGANISM: hepatitis C virus
US-09-878-281A-143
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                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 143
                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
TITLE OF INVENTION: and therapy
                                                                                                Query Match
Best Local Similarity
Matches 293; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 143, Application US/09878281A Patent No. 6762024
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                LENGTH: 957
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LENGTH: 573 base pairs
TYPE: nucleic acid
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
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INDIVIDUAL ISOLATE: S83
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                                                                                              Score 282.8; DB 3;
Pred. No. 7.3e-81;
0; Mismatches 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                         NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMPUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                   MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE: 16-MAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: WordPerfect 5.1
                                                                                                                        TOPOLOGY:
                                                                                                                                       STRANDEDNESS:
                                                                                                                                                     TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
                                                                                                                                                                                                                             TELEX:
                                                                                                                                                                        LENGTH: 510 nucleotides
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: Massachusetts
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                                                                                                                        linear
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89.7%;
93.5%;
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Score 278; DB 3; Pred. No. 1.9e-79;
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Query Match Best Local Similarity

Length 510;

Matches

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RESULT 6
US-08-221-653-66
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Patent No. 6190864
                                                                                                                     TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                      NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: WordPerfect 5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 510 nucleotides
                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/6:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: C.
STREET: WASSAC
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OPERATING SYSTEM:
                                  TOPOLOGY:
                                               STRANDEDNESS: single
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                                                                  nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Massachusetts
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Patent No.
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Best Local Similarity
                                                                                  APPLICATION NUMBER: US/08/442,144A FILING DATE: MAY 16, 1995 CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/221,653 APPLICATION NUMBER: 08/221,653 FILING DATE: APRIL 1, 1994 ATTORNEY/AGENT INFORMATION: NAME: Doreen Yatko Trujillo REGISTRATION NUMBER: 35,719 REPERENCE/DOCKET NUMBER: CHIR-0121
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                             ZIP: 94608-2916

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 Inc

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows NT

SOFTWARE: Microsoft Word 97

CURRENT APPLICATION DATA:

OPERATION NUMBER 10 (2007)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Bruce Irvine
APPLICANT: Bruce Irvine
APPLICANT: Michael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Emeryville
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                  TELEFAX:
                                                     TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                               4560 Horton Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                    215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                             USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chiron Corporation
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93.5%;
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121 GGCCCCGGTTGGGTGCGCGCGACGAGGAAAACTTCCGAACGGTCCCAGCCACGTGGG 180
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                                          TACCCTTGGCCCCTGTATGGGAACGAGGCCTTGGTTGGGCAGGATGGCTCTTGTCCCCT
                                                                                                                                                                                                                                                                                                                              GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGCGGAGTATACTTGTTGCCGCGCAGG
TACCCTTGGCCCCTGTATGGGAATGAGGGTCTCGGCTGGGCAGGGTGGCTCCTGTCCCCC
                                                                                                           AGGCGCCAGCCCATCCCCAAAGATCGGCGCACCACTGGCAAGTCCTGGGGGAAGCCAGGA
                                                                                                                                                              AGGCGCCAGCCCATCCCTAAAGATCGGCGCTCCACTGGCAAATCCTGGGGACGTCCAGGA
                                                                                                                                                                                                                GGCCCCAGGTTGGGTGCGCGCGACGACGAAAACTTCCGAACGGTCCCAGCCACGTGGG
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CORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
US-08-442-144A-66
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Patent No. 6297370
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
        APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,320
FILING DATE: 8 May 1991
ATTORNEY_AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
NUMBER OF SEQUENCES: 147
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LENGTH: 510 Nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                            APPLICATION NUMBER: U
FILING DATE: 16-MAY-1
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                   STREET: STREET: Boston
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                                                                                                                                                                                                                                                                                                   COUNTRY: U
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
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                                                                                                              07/881,528
                                                                                                                                                                                  US/08/441,970
                                                                              07/697,326
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C0772/7000
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Pred. No. 1.9e-79;
0; Mismatches 20; Indels
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Best Local :
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SEQUENCE CHARACTERISTICS:
LENGTH: 510 nucleotides
TYPE: nucleic acid
                                              COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS(
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075)
FILING DATE: 21 Apr 1997
                                                                                                                                                                                                                                                                                               APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
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MOLECULE TYPE:
ORIGINAL SOURCE:
              FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/
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TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                            STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
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JMBER: PCT/EP95/04155
23 Oct 1995
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                                                                     US/08/836,075A
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Pred. No. 1.9e-79;
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PRIOR APPLICATION DATA:

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RESULT 10
US-08-836-075A-13
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HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-836-075A-17
COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPTWARE: Microsoft Word 6.0 / ASCII text output
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                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 13, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                           APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
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FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: EP 9. FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                     CITY:
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93.5%;
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                                                                                                                                                                                                              Sequence 65, Application US/08441971 Patent No. 6071693
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Best Local Similarity
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                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
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HYPOTHETICAL: 1
ANTI-SENSE: NO
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NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
                                                                                             NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre
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LENGTH: 310 base pairs
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STRANDEDNESS: single
TOPOLOGY: linear
COMPUTER READABLE FORM:
               COUNTRY: U
ZIP: 02210
                                              STATE: Massachusetts
                                                                             STREET:
                                                               CITY: Boston
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                                                                             600 Atlantic Avenue
                               USA
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92.6%;
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RESULT 12
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             Sequence 65, Application US/08221653
Patent No. 6199864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local Similarity
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CORRESPONDENCE ADDRESS
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ORIGINAL SOURCE:
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TELLEPHOX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
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APPLICATION NUMBER: (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
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APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
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COMPUTER: I
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IBM compatible
3XSTEM: MS-DOS Version 3.3
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92.3%;
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Pred. No. 2.3e-77;
0; Mismatches 24
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APPLICATION NUMBER: 07/697,326
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
LENGTH: 549 nuclectides
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ORIGINAL SOURCE:
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PRIOR APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE:
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OPERATING SYSTEM: MS-DOS Version 3.3
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                 CGAGGCTCTC
                                                             TATCCTTGGCCCCTGTATGGGAATGAGGGTCTCGGCTGGGCAGGGTGGCTCCTGTCCCCC 300
                                                                                  TACCCTTGGCCCCTGTATGGGAACGAGGGCCTTGGTTGGGCAGGATGGCTCTTGTCCCCT 300
 CGTGGCTCTC
                                                                                                                             AGGCGTCAGCCCATCCCTAAAGATCGTCGCACCGCTGGCAAGTCCTGGGGAAGGCCAGGA
                                                                                                                                                           AGGCGCCAGCCCATCCCTAAAGATCGGCGCTCCACTGGCAAATCCTGGGGACGTCCAGGA
                                                                                                                                                                                            GGCCCGAGATTGGGTGTGCGCGCGACGAGGAAAACTTCCGAACGATCCCAGCCACGCGA
                                                                                                                                                                                                                                                          GACGTCAAGTTCCCGGGGCGGTGGCCAGATCGTTGGCGGAGTATACTTGCTGCCGCGCAGG
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92.3%;
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RESULT 13
US-08-442-144A-65
; Sequence 65, Application US/08442144A
; Patent No. 6214583

GENERAL INFORMATION:

Tai-An Cha

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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: DOTEN YALKO TRUJILLO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 4500
CITY: Emeryville
CTATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: WINDOWS NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: 215-568-31
TELEPAX: 215-568-3439
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301
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                                                                                                                                                         AGGCGCCAGCCCATCCCTAAAGATCGGCGCTCCACTGGCAAATCCTGGGGACGTCCAGGA 240
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 CGTGGCTCTC 310
                                CGAGGCTCTC 310
                                                                                                 TACCCTTGGCCCCTGTATGGGAACGAGGGCCTTGGTTGGGCAGGATGGCTCTTGTCCCCT 300
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92.3%;
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Pred. No. 2.3e-77;
0; Mismatches 24
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MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
US-08-441-970-65
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Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (617) 720-24
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMPUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 07/881,528
FILLING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILLING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: MS-DOS SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 549 nucleotides
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
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                                                                                              AGGCGCCAGCCCATCCCTAAAGATCGGCGCTCCACTGGCAAATCCTGGGGACGTCCAGGA
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TACCCTTGGCCCCTGTATGGGAACGAGGGCCTTGGTTGGGCAGGATGGCTCTTGTCCCCT
                                                                                                                                   GGCCCGAGATTGGGTGTGCGCGCGACGAGGAAAACTTCCGAACGATCCCAGCCACGCGGA
                                                                                                                                                                                                                                                                                    ATGAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAGAAACACTAACCGCCGCCCACAG
                                                           AGGCGTCAGCCCATCCCTAAAGATCGTCGCACCGCTGGCAAGTCCTGGGGAAGGCCAGGA
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                                                                                                                                                                                                                                                                                                                                                             Conservative
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SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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Pred. No. 2.3e-77;
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180

120 120 60 60

300 240

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241 TATCCTTGGCCCCTGTATGGGAATGAGGGTCTCGGCTGGGCAGGGTGGCTCCTGTCCCCC 300

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Sequence 125, Application US/08290665A
PALENT NO. 58823852
GENERAL INFORMATION:
APPLICANT: BUKH, J., MILLER, R.H. AN
APPLICANT: PURCELL, R.H.
TITLE OF INVENTION: NUCLEOTIDE AND DI
TITLE OF INVENTION: AMINO ACID SEQUE
TITLE OF INVENTION: CORE GENES OF RIS
TITLE OF INVENTION: AND THE USE OF RIS
TITLE OF INVENTION: SEQUENCES IN DIAM
TITLE OF INVENTION: SEQUENCES IN DIAM
                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: homosapiens
; INDIVIOUAL ISOLATE: T4
US-08-290-665A-125
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US-08-290-665A-125
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Best Local Similarity 92.3%;
Matches 286; Conservative
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665A
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026-4116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (212) 758-480
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEO ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 263
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
ZIP: 101
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181 AGGCGCCAGCCCATCCCTAAAGATCCGGCGCTCCACTGGCAAATCCTGGGGACGTCCAGGA 240
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                                                                  GECCCAGETTEGETETECECECEÁCAAGGAAGACTTCGGAGCGATCCCAGCCACGTGGG
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          125:
                                                                                                                                                                                                                                                                                                                       Score 271.6; DB 2; Length 573; Pred. No. 2.3e-77; 0; Mismatches 24; Indels 0
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301	301	241	241	181
301 CGAGGTTCCC 310	301 CGAGGCTCTC 310	241 TATCCCTGGCCCCTGTATGGGAATGAGGGACTCCGGCTGGGCAGGATGGCTCCTGTCCCCC 300	241 TACCCTTGGCCCCTGTATGGGAACGAGGGCCTTGGTTGGGCAGGATGGCTCTTGTCCCCT 300	181 AGGCGCCAGCCCATCCCCAAAGATCGGCGCTCCACTGGCAAGTCCTGGGGAAAACCAGGA 240
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Search completed: January 11, 2006, 04:37:49
Job time: 78.0414 secs

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Result
No.
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Maximum
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                                                                            US-08-836-075A-23
US-08-836-075A-13
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US-07-925-695-2
US-07-925-695-7
US-08-836-075A-25
US-07-925-695-7
US-08-634-797-25
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US-08-634-797-25
US-08-086-428B-29
US-08-290-65A-29
US-08-290-65A-29
US-08-468-601A-34
US-08-290-65A-34
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US-08-086-428B-27
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App1	Appl	App1	App1	App	App	App1	App1	App1	App1	App1	App1	App1	App1	App1	App1	App1	Appl	App1	App1	App1

ALIGNMENTS

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Sequence 23, Application US/08836075A Patent No. 6180768
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GENERAL INFORMATION:
                                                                                                                                                                                          FILING DATE: 21 Apr 1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICTA A.
NAME: KAMMERER, PATRICTA A.
NAME: KAMMERER, PATRICTA A.
NAME: KAMMERER, PATRICTA A.
                                                                                                                                      REGISTRATION NUMBER: 29
REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, (
APPLICANT: STUYVER, L:
APPLICANT: INVENTION: NI
TITLE OF INVENTION: AT
TITLE OF INVENTION: AC
                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
                   MOLECULE TYPE:
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HYPOTHETICAL:
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ZIP: 77210-4433
                                    TOPOLOGY:
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AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AS
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FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 143
LENGTH: 957
TYPE: DNA
ORGANISM: hepatitis C virus
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US-09-878-281A-143
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                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 143, Application US/09878281A Patent No. 6762024
                                                                                                                                                                             Matches
                                                                                                                                                                                            Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of
TITLE OF INVENTION: and therapy
                                                                                                                                                                                          Local Similarity
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Pred. No. 2.2e-141; ...
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; Sequence 19, Application US/08836075A
Patent No. 6180768
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF TITLE OF INVENTION: AND THEIR USE AND THE USE AND THE
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US-08-836-075A-19
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FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION UNMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
MOLECULE TYPE: C
HYPOTHETICAL: NC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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CORRESPONDENCE ADDRESS:
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CITY: HOUSTON
STATE: TEXAS
                                                                                                                    TOPOLOGY:
                                                                                                                                                        STRANDEDNESS:
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STREET: P.O. BOX 4433
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RESULT 4
US-08-836-075A-17
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                                                  APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA: PCT/EP95/04155
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA: EP 94870166.9
PILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                 ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                   SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
       ATTORNEY/AGENT INFORMATION:
                    APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995
                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                 STATE: TEXAS
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                                                                                                                                                                                                                                                                                                                            Sequence 15, Application US/08836075A Patent No. 6180768
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatibl
OPERATING SYSTEM: PC-DOS/N
                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                              APPLICANT: MAERTENS, G
APPLICANT: STUYVER, LI
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
NUMBER OF SEQUENCES: 2
                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                        STREET: P.O. BOX .
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                              ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
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PC-DOS/MS-DOS

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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
207

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US-08-836-075A-17
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REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 17
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE; nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local Similarity
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ANTI-SENSE: 1
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                        TTCGTCCAGGATTGCAACTGCTCGATA 447
TTTGTCCAGGAATGCAACTGCTCCATA 924
                                                                                 CTATGCGGCGCTGTGATGATAGCAGCGCAAGTTGCCGTCGTCTCACCGCAATACCATACT
                                                                                                                    TTCTGCGGCGCAGTGATGTTGGTCTCTCAATTTTTCATGATCTCCCCTCAGCACCACATC
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US-08-836-075A-75
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                                                 Sequence 75, Application US/08836075A Patent No. 6180768
GENERAL INFORMATION:
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APPLICATION NUMBER: 97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/
PRIOR APPLICATION NUMBER: PCT/EP95/
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948701
PRIOR APPLICATION NUMBER: EP 948701
PRIOR APPLICATION NUMBER: EP 958700
APPLICATION NUMBER: EP 958700
APPLICATION NUMBER: EP 958700
APPLICATION NUMBER: PATRICIA A.
REGISTRATION NUMBER: 29,775
REGERERMECE/DOCKET NUMBER: 198,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: I INFORMATION FOR SEQ ID NO: 15:
APPLICANT: MAERTENS, APPLICANT: STUYVER, 1 TITLE OF INVENTION: 1
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72.9%;
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
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Pred. No. 2.1e-76;
0; Mismatches 121;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: (
HYPOTHETICAL: N(
ANTI-SENSE: NO
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: ZIP: 77210-4433
COMPUTER READABLE FORM:
COMPUTEN REPORT FORM:
COMPUTEN READABLE FORM:
COMPUTEN READABLE FORM:
COMPUTEN READABLE
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / J
CURRENT APPLICATION DATA:
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ADDRESSEE: ARNOLD, WHITE
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
                                                                   1016 TCGCACATCGACACCATCGTAGCGTCCGCAACATTTTGTTCTGCCCCTCTACATAGGGGAT 1075
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                    TTCTGCGGCGCAGTGATGTTTGGTCTCTCAATTTTTCATGATCTCCCCTCAGCACCACATC
GTATGTGGCGCGATAATGATAGCTGCCCAAGTGGTCATCGTCTCGCCGGAGCATCATCAC
                                                                                            ACGCACATTGACACCATCGTTGCGTCTGCTACCGTCTGCTCAGCTTTGTATGTGGGCGAC
                                                                                                                                                              ATACCTGTGACACCCAATGTGGCCGTGAGCCAACCTGGCGCGCTCACCAGGGGTTTTGCGG
                                                                                                                                                                                                             GTGCTTCACGTTCCTGGATGCGTCCCCTGTGAACGAGAGGGGCAACAGTTCCCGGTGCTGG
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                                                                                                                                                                                                                                                                                 ACATACATGGTGACTAACGACTGTTCAAACAGYAGCATCACCTGGCAGCTTNNGNNCGCG
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                                                                                                                                        ATTCCAGTCACGCCCRACGTAKNCGTGAGCCGACCTGGTGCCCTAACCGAGGGTTTGCGA 1015
                                                                                                                                                                                                                                                                                                                  TCTTATATGGTGACCAATGATTGCTCAAACAGCAGCATTGTCTGGCAGCTTAAGGATGCT
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Pred. No. 1.1e-74;
4; Mismatches 123;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                 Matches
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FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: WUI 64470 INFORMATION FOR SEQ ID NO:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: JP 360441/91 FILING DATE: 05-DEC-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
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CORRESPONDENCE ADDRESS:
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APPLICANT: NAKAMURA, Tetsuo
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                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Weilacher, Robert G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
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181 GTGCTTCACGTCCCTGGATGTGTTCCATGTGAGAGGCACCAAAATCAGTCTCGCTGCTGG
                                                                                  121 TCTTATATGGTGACCAATGATTGCTCAAACAGCAGCATTGTCTGGCAGCTTAAGGATGCT 180
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                                                         GGCUACAUGGUGACCAACGACUGCACCAAUGAUAGCAUUACCUGGCAACUCCAGGCUGCU
                                                                                                                                 GCCCUGCUGUCCUGCAUCACCACCCCGGUCUCCGCUGCCGAAGUGAAGAACAUCAGUACC
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                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                        single
                                                                                                                                                                                                                                                                            56.1%; Score 250.8; DB 2 53.8%; Pred. No. 4.9e-74; tive 84; Mismatches 122
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                                                                                                                                                                                                                                                                                                                Length 9589;
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                                                                      US-07-925-695-2
 Matches 324;
                  Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMER: JP 287402/91
FILING DATE: 09-AUG-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy COMPUTER: IBM PC com
                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                               FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert
                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: TITLE OF INVENTION:
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                                                                               TYPE:
STRANDEDNESS: SIL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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                                                                                                                     NUCLEIC ACID
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1850 M Street, N.W., Suite 800
                                                                                                                                       9589 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAKAMURA,
   Conservative
                                                                                                                                                                                                              (202) 659-1462
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                  56.1%;
72.6%;
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                  Score 250.8;
Pred. No. 4.9
 Mismatches 122;
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                4.9e-74;
                                DB 2;
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   Indels
                                  Length 9589;
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Gaps
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GENERAL INFORMATION:
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              REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: :
                                                                                                                                                                                                                                                                                                                                                  STATE:
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
COMPUTER READABLE Floppy disk
                                                                                                                                                                                                    APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: AG
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, APPLICANT: STUYVER, TITLE OF INVENTION:
                                                                                                                                 APPLICATION NUMBER: EP 9.
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / J
CURRENT APPLICATION DATA:
SEQUENCE CHARACTERISTICS
                                                                               FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: P.O. BOX 4433
CITY: HOUSTON
                                            NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
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5. 6180768
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; HYPOTHETICAL: 1; ANTI-SENSE: NO US-08-836-075A-25
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US-07-925-695-6
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APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
             PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                 ZIF: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA PPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION:
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STATE: D.C.
COUNTRY: US
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                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                APPLICATION NUMBER: UFILING DATE: 19920807
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Weilacher,
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1850 M Street, N.W., Suite 800
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81.2%;
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Pred. No. 3.8e
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                              RESULT 11
US-07-925-695-7
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                                                                                                                                                                                                                                                                                                            Sequence 7, Application US/07925695 Patent No. 5428145
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Best Local Similarity
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INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                      TITLE OF INVENTION: ITTLE OF INVENTION: ITTLE OF INVENTION: ITTLE OF SEQUENCES:
                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of COMPUTER: IBM PC computer:
                                                                                    STREET: 1000
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                       APPLICANT: OKAMOTO, H
APPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELLEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
                                                                                                                                                                        CORRESPONDENCE ADDRESS:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                     ZIP:
                                                                                                                                                        ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ENGTH: 9511 base pairs
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                                                                                                                                    E: Beveridge, I
1850 M Street,
                                                                                                                                                                                                                                                                            OKAMOTO, Hiroaki
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                                                                                                                                                                                                     NON-A, NON-B HEPATITIS VIRUS GENOME, POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND DETECTION SYSTEMS
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                                                                                                                                      DeGrandi, Weilacher & Young
, N.W., Suite 800
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Pred. No. 2.5e-71;
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RESULT 12 US-08-634-797-25

Sequence 25, Application Patent No. 5851759
GENERAL INFORMATION:

US/08634797

APPLICANT: WEINER, A TITLE OF INVENTION: TITLE OF INVENTION: NUMBER OF SEQUENCES:

AMY J.

HETERODUPLEX TRACKING ASSAY (HTA) FOR

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ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION UMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
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LENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
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PRIOR APPLICATION DATA:
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TELEFAX: (202) 659-1462
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TTCACCCAAGAGTGCAACTGTTCCAT 1264
                                TTCGTCCAGGATTGCAACTGCTCGAT 446
                                                                                                 TTCTGCGGCGCAGTGATGTTGGTCTCTCAATTTTTCATGATCTCCCCTCAGCACCACATC 420
                                                                                                                                                                                                       ATACAAGTAACACCCRACGTGGCTGTGAAACACCCGCGGTGCGCTCACTCGTAGCCTGCGA 1118
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                                                                   GTGTGCGGGGCCGTGATGATYCTATCGCAGGCTTTCATGGTATCACCACACACGCCACAAC
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70.9%;
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Pred. No. 2.5e-71;
4; Mismatches 126;
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; Sequence 29, Application US/08086428B
; Patent No. 5514539
; GENERAL INFORMATION:
APPLICANT: BUCH, J., MILLER, R.H. AND
TITLE OF INVENTION: NUCLEOTIDE AND DEDUCE
TITLE OF INVENTION: AMINO ACID SEQUENCES
TITLE OF INVENTION: OF 51 ISOLATES OF HE
TITLE OF INVENTION: OF REAGENTS DERIVED
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Best Local Similarity
Matches 252; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Harbin, Alisa A.
REGISTRATION NUMBER: 33,895
REFERENCE/DOCKET NUMBER: 1226
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-3274
TELEPAX: (510) 655-3542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 333 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLCCY: linear
MOLECULE TYPE: DNA (genomi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION: NAME: Harbin, Alisa A.
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ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
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CITY: Emeryville
STATE: California
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FILING DATE: 19-APR-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC
OPERATING SYSTEM:
SOFTWARE: PatentI
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  NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 GENE
OF 51 ISOLATES OF HEPATITIS C AND THE USE
OF REAGENTS DERIVED FROM THESE SEQUENCES IN
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Pred. No. 5.9e-59;
0; Mismatches 80
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RESULT 14 US-08-468-570-29

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Sequence 29, Application US/08468570 Patent No. 5871962

GENERAL INFORMATION:
APPLICANT: BUKH, J., MIL
APPLICANT: PURCELL, R.H.

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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPHONE: (212) 751-6849
TELERX: 421792
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 576 base pairs
TYPE: nucleic acid
companyments.
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COPERATING SYSTEM: PC-DOS/MS
SOFTWARE: WORDDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/0
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ORGANISM: hom
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ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
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INDIVIDUAL ISOLATE: 10
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301
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253; Conserv
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                             ATGATCTCCCCTCAGCACCACATCTTCGTCCAGGATTGCAACTGCTCGAT 446
                                                                                               TGCTCAGCTTTGTATGTGGGCGACTTCTGCGGCGCAGTGATGTTGGTCTCTCAATTTTTC
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ATTGTCTCGCCGCGCCACCACTCGTTTGTGCAGGAATGCAACTGCTCCAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         43.6%; ilarity 72.3%; Conservative
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IBM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
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Pred. No. 1.1e.
0; Mismatches
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1.1e-55;
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US-08-468-570-29
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Best Local Similarity
Matches 253; Conserv
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TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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FILING DATE: 6-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29-JUN-1993
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION: NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
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MEDIUM TYPE: FLOPPY DISK
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STATE: NEW YORK
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SYSTEM: PC-DOS/MS-DOS
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OF REAGENTS DERIVED FROM THESE SEQUENCES IN
DIAGNOSTIC METHODS AND VACCINES
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Pred. No. 1.1e
0; Mismatches
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RESULT 15
US-08-290-665A-29
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 576 base pairs
TYPE: nucleic acid
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08
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MEDIUM TYPE: FLOPPY DISK
COMPUTER: IEM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN &
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STATE: NEW YORK
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241
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o. 5882852
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ALIGNMENTS

RESULT 1 US-08-836-075A-25

Sequence 25, Application US/08836075A
Patent No. 6.80768
GENERAL INFORMATION:
APPLICAMT: MARKTENS, GEERT
APPLICAMT: MARKTENS, LIEVEM
PAPILICAMT: STUTVER, LIEVEM
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS

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CORRESSONDENCE ADDRESS:
ADDRESSES: ANDOLD, MAITE & DURKEE
STREET: P.O. BOX 4433
COMPUTER: TEXAS
COUNTRY: USA
ZIP: T7210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
MEDIUM TYPE: FLOPPY disk
MEDIUM TYPE: PLOPS/MS-DOS
COPRATING SYSTEM: PC-DOS/MS-DOS
SOPTMARE: MICROSOFT WOMBER: US/08/836,075A
FILING DATE: 21 Act 1997
FILING DATE: 21 Act 1997
FILING DATE: 21 Act 1997
FILING DATE: 21 Act 1994
FILING DATE

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Matches
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Best Local S
Matches 297
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                                                                                                                                                                                                                                                                                                                                SEQ ID NO 143
LENGTH: 957
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn version 3.1
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ATACCGGTCACCCCTAACATCGCTGTGAGCCAACCTGGCGCGCTTACCAAGGGCCTGCGG
                                                                                                                                                     GCCCTGCTATCTTGTATCACTGTGCCGGTCTCCGGCTTGCAGGTCAAGAACACCAGCAGC 597
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                                                                                                                                                                                                          GACGGGATAAACTATGCAACAGGGAACTTGCCCGGTTGCTCTTTTCTATCTTATTTG
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                                                                                               TCTTACATGGTAACCAATGACTGCCAGAACAGTAGCATCGTCTGGCAGCTCAGGGATGCT
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                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                               Score 261.6; DB 3
Pred. No. 1.8e-68;
0; Mismatches 59
                                                                                                                                                                                                                                                                                       DB 3;
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                  TCTTATATGGTGACCAATGATTGCTCAAACAGCAGCATTGTCTGGCAGCTTAAGGATGCT
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Query Match
Best Local Similarity
Matches 289; Conserv
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FILLING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILLING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERIENS, APPLICANT: STUTYLER, I TITLE OF INVENTION: I TITLE OF INVENTION: I TITLE OF INVENTION: I
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HYPOTHETICAL: N
ANTI-SENSE: NO
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
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CORRESPONDENCE ADDRESS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
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                                                                                                                                                                                                                                                                                                                                                                                                           nucleic acid
DEDNESS: single
                      TCTTACATGGTGACCAATGATTGCTCGAACAGCAGCATCGTTTGGCAGCTCGAGGAGGCC
                                                                                          GCCCTGCTTTCTTGCATCACCGTGCCGGTCTCTGCCGTGCAAGTTGCGAACCGCAGTGGT 120
                                                                     GCCTTGCTATCCTGTCTCACTGTGCCGGCGTCCGCTGTGCAGGATCAAGAACACCAGCCAC
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LIEVEN
NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
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                                                                                                                                                                                                                            Score 248.8; Db 3;
Pred. No. 9.4e-65;
Mismatches 67;
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RESULT 4
US-08-836-075A-19
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US-08-836-075A-19
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Best Local Similarity
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                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 23 Oct 1995
PRIOR APPLICATION UNDER: EP 94870166.9
PRILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
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                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER:
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61 GCCCTGCTTTCTTGCATCACCGTGCCGGTCTCTGCCGTGCAAGTTGCGAACCGCAGTGGT 120
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                                                      GACGGGGTAAATTATGCAACAGGGAATCTGCCTGGTTGCTCTTTCTCTATCTTCTTGTTG
                                                                          GACGGGATAAACTATGCAACAGGGAACCTGCCTGGTTGCTCCTTTTCTATCTTACTG 60
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AND THEIR USE AS
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                                                                                                                                                                                                                                                                                                                                                                INNS:004
                                                                                                                    Score 226.4; DB 3;
Pred. No. 4.8e-58;
0; Mismatches 81;
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                                                                                                                      Indels
                                                                                                                                                       Length 447;
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                                                                                                                      Gaps
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                                                               ; ANTI-SENSE: US-08-836-075A-17
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             Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17,
Matches
                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: NEW
TITLE OF INVENTION: AND
TITLE OF INVENTION: AGE
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                                                                           MOLECULE NO HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                   PILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: VANCOURS
                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
7TP: 77210-4433
                                                                                                                                            STRANDEDNESS: single
                                                                                                                                                                                                                                              REGISTRATION NUMBER:
                                                                                                                                                                                                                                                            NAME: KAMMERER, PATRICIA A.
                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: HOUSTON
                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Microsoft Word 6.0 / ASCII text output
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                               LENGTH:
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269;
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    957 base pairs
nucleic acid

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Conservative
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O. BOX 4433
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75.6%;
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207
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                                                                                                                                                                                                                                              29,775
                                                                                                                                                                                                                                INNS:004
             Score 216.8;
Pred. No. 4.6
               4.6e-55;
                              DB 3;
                              Length 957;
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US-08-836-075A-15
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GENERAL INFORMATION:
APPLICANT: MAERTENS,
APPLICANT: STUYVER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15,
                                                                                                                                                   APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6:0 / AS:
CURRENT APPLICATION DATA:
                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: F.C
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                                                        TOPOLOGY:
                                                                      STRANDEDNESS:
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                                                                                                            579 base pairs
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US-08-836-075A-75
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Best Local Similarity
Matches 266; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent No. 6180768
GENERAL INFORMATION:
               REFERENCE/DOCKET NUMBER: I
INFORMATION FOR SEQ ID NO: 75:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: MAERTENS, APPLICANT: STUYVER, LITTLE OF INVENTION: A TITLE OF INVENTION: A TITLE OF INVENTION: A
                                                                                                                                                                                                                                                                                                                    ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6:0 / ASCII text
CURRENT APPLICATION DATA:
                                                                  APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: KAMMERER, PATRICIA A. NAME: KAMMERER, PATRICIA A.
                                                                                                                                               APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                      PRIOR APPLICATION DATA:
                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: P.O. CITY: HOUSTON
                                     REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
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STREET: P.O. BOX 4433
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74.7%;
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NEW SEQUENCES (
AND THEIR USE )
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Pred. No. 2e-5
0; Mismatches
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                                                  APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FRIOR APPLICATION DATA:
APPLICATION OBTA:
FILING DATE: 05-DEC-1991
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                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
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                             ATTORNEY/AGENT INFORMATION:
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CITY: Washington
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NUMBER OF SEQUENCES:
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   NAME: Weilacher, Ro
REGISTRATION NUMBER:
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nes 261; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Beveridge, I
STREET: 1850 M Street,
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Robert G.
ER: 20,531
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POLYNUCLECTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
DETECTION SYSTEMS
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, N.W., Suite 800
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Pred. No. 2.4e-53;
                                                                                                                                                                                                                                     Version
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RESULT 9
US-07-925-695-2
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Patent No. 5428145
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: OKAMOTO, F
APPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: WUI 64470 INFORMATION FOR SEQ ID NO:
                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
TITLE OF INVENTION:
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TELEPAX: (202) 659-1462
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                APPLICATION NUMBER: JP 2 FILING DATE: 09-AUG-1991
                                                                 FILING DATE: 19 CLASSIFICATION:
                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                       ZIP: 20036
                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                                                                                          CITY: Washington
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55.9%;
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                              JP 287402/91
                                                                                                                                                                                                                                                                                                                                                                                                                 Tetsuo
                                                                                                     US/07/925,695
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, N.W., Suite 800
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Pred. No. 6.7e-51;
52; Mismatches 95
                                                                                                                                       Version
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RESULT 10
US-07-925-695-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 6, Application US/07925695 Patent No. 5428145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 57.3%;
Best Local Similarity 73.3%;
Matches 261; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                     APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKANURA, Tetsuo
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,
TITLE OF INVENTION: POLYMUCLEOTIDES, POLYPEPTIDES, ANTIC
TITLE OF INVENTION: DETECTION SYSTEMS
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: JP 3
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
               SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/925,695
                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 9589 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                           STREET: 1850 M Su
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
FILING DATE:
                                                                                                                                                                     COUNTRY: US
ZIP: 20036
                                                                                                                                                                                                               STATE: D.C
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                                                                                                                                                                                                                                                        E: Beveridge, DeGrandi, Weilacher & Young 1850 M Street, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
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Pred. No. 6.7e-51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                     POLYPEPTIDES, ANTIGEN,
                                                               #1.25
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RESULT 11
US-07-925-695-7
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APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
TITLE OF INVENTION: NON-A, NO
TITLE OF INVENTION: POLYNUCLE
TITLE OF INVENTION: DETECTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 05.331
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEPAY:
                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/07925695
Patent No. 5428145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3
APPLICATION NUMBER: JP 3
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: NUCLEIC ACID STRANDEDNESS: single TOPOLOGY: linear
                                                         ZIP: 20036
                                                                         COUNTRY:
                                                                                              CITY: Washington STATE: D.C.
                                                                                                                                    STREET:
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                                                                                                                                                     ADDRESSEE:
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185; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GUUCUCCAUCUUCCUGGAUGCGUCCCAUGUGAGAAYGAUAAYGGCACCUUGCRUUGCUGG
                                                                                                                                  E: Beveridge, DeGrandi, Weilacher & Young 1850 M Street, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9511 base pairs
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(202) 659-1462
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  54.9%; Score 195.6; DB 2
52.0%; Pred. No. 2.2e-48;
tive 72; Mismatches 99
                                                                                                                                                                                                                             , Tetsuo
NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN,
                                                                                                                                                                                                               DETECTION SYSTEMS
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                                                                                                                                                                                                                                  ANTIBODY
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Best Local Similarity
Matches 252; Conserv
                                                                                                                                                                                                                                Sequence 149, Appl
Patent No. 6150087
                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
                                                                                                                              APPLICANT: Chien, David Y.
APPLICANT: Rutter, William J.
TITLE OF INVENTION: NAMBY Diagnostics
NUMBER OF SEQUENCES: 777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Weilscher, Robert G.
REGISTRATION UNBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                             STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
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                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241 ATACCGGTCACCCCTAACATCGCTGTGAGCCAACCTGGCGCGCTTACCAAGGGCCTGCGG 300
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94608-2916
                                                       Emeryville
                                                                                                                                                                                                                                                                                                                                                     ACACACGTCGACATGATCGTAATGGCAGCTACGGCCTGCTCGGCCTTGTATGTGGG 1174
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Pred. No. 2.2e-48;
5; Mismatches 99;
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TELEFAX: (508)359-388
INFORMATION FOR SEQ ID NO:
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TOATTON: 75 /nc
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LENGTH: 1018 base pair
TYPE: nucleic acid
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APPLICATION NUMBER: US/0
FILING DATE: 14-MAR-1995
ATTORNEY/AGENT INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Palana "
                                                                                                                                                         LOCATION: 162
OTHER INFORMATION:
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LOCATION: 140
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NAME/KEY: misc feature LOCATION: 292 OTHER INFORMATION: /not OTHER INFORMATION: nucl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
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 /note= "A heterogeneity may
nucleotide 292 = T or C and
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nucleotide 162 = C or T and
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nucleotide 140 = C or G and amino acid
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nucleotide 75 = C or A and amino acid Xaa = His or Gln"
                                                                               /note= "A heterogeneity nucleotide 263 = C or T
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nucleotide 141 = T or A and
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nucleotide 71 = C or G and amino acid Xaa = Ala, Pro, Gly,
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nucleotide 70 = G or C and amino
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NAME/KEY: misc_feature
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nucleotide 419 = G or A and
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nucleotide 620 = C or G and
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nucleotide 619 = G or A
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nucleotide 590 = A or G and
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nucleotide 429 = C or T and
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nucleotide 411= T or C and amino
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nucleotide
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nucleotide 615 = A or G
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nucleotide 521 = A or C and
                                                 /note= "A heterogeneity exists -
nucleotide 781 = G or C and amino
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nucleotide 764 = C or G and
/note= "A heterogeneity exists -
nucleotide 792 = C or T and amino
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Best Local Similarity
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                       ACACATATTGACATCATTGTCGCGTCCGCCACGTTCTGCTCTGCCTTGTATGTGGG 356
                                                                       ATACCGGTCACCCTAACATCGCTGTGAGCCAACCTGGCGCGCTTACCAAGGGCCTGCGG
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CGTCACATCGATCTGCTYGTCGGGARCGCCACCCTYTGCTCGGCCCTCTACGTGGG
                                                GTGGCGGTGACCCCCACGGTGGCCAYCAAGGACGCCAAACTCCCCACAACGCAGCTTCGA
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nucleotide 965 = C or A and
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nucleotide 962 = C or G
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nucleotide 889 = A or T
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nucleotide 888 = T or A and
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nucleotide 796 = C or A and amino acid
                                                                                                                                                                                                                                                                                                                                                                    /note= "A heterogeneity may exist -
nucleotide 1002 = C or G and amino
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nucleotide
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Pred. No. 3.6e-38;
9; Mismatches 120;
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e 933 = G or A
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RESULT 13 US-08-444-818-155 ; Sequence 155, A

Application US/08444818

Patent No. 6150087

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                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (508)359-3885
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/08
PILING DATE: 14-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 33,895
REFERENCE/DOCKET NUMBER: 011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)359-3876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Chien, David Y. APPLICANT: Rutter, William J. TITLE OF INVENTION: NAMBY Dia
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CGTCACATCGATCTGCTTGTCGGGAGCGCCACCCTCTGCTCGGCCCTCTACGTGGG
                      ATACCGGTCACCCCTAACATCGCTGTGAGCCAACCTGGCGCGCTTACCAAGGGCCTGCGG
                                                                                                                                                                                                 CTTTACCATGTCACCAATGATTGCCCTAACTCGAGTATTGTGTACGAGGCGGCCGATGCC
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65.2%;
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; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE:
US-08-444-818-159
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Best Local Similarity
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APPLICANT: Chien, David Y.
APPLICANT: Rutter, William J.
TITLE OF INVENTION: NAMBY Diagnostics and Vaccines
NUMBER OF SEQUENCES: 777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (508)359-388
INFORMATION FOR SEQ ID NO:
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APPLICATION NUMBER: US/08/
APPLICATION NUMBER: US/08/
PILING DATE: 14-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Harbin, Alisa A.
REGISTRATION NUMBER: 33,89
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 587 base pairs
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
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                                  301 ACACATATTGACATCATTGTCGCGTCCGCCACGTTCTGCTCTGCCTTGTATGTGGG 356
                                                                                                      241 ATACCEGTCACCCCTAACATCECTGTGAGCCAACCTGECGCGCTTACCAAGGGCCCTGCGG 300
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                                                                                                                                                                                                                                        TCTTACATGGTGACCAATGATTGCTCGAACAGCAGCATCGTTTGGCAGCTCGAGGAGGCC 180
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CGTCACATCGATCTGCTTGTCGGGAGCGCCACCCTCTGCTCGGCCCCTCTACGTGGG
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RESULT 15
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Patent No. 6127116
GENERAL INFORMATION:
APPLICANT: Rice, Charles et al.
TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS
TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 43.8%;
Best Local Similarity 64.9%;
Matches 231; Conservative
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MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/811,566
FILING DATE: 03-MAR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1113-1-006
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
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HYPOTHETICAL: N
ANTI-SENSE: NO
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CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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STREET: Floor
CITY: Hackensa
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STATE: New Jersey
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                                                                                  1059 GTGGCGGTGACCCCCACGGTGGCCACCAGGGACGGCAAACTCCCCACAACGCAGCTTCGA 1118
                             301 ACACATATTGACATCATTGTCGCGTCCGCCACGTTCTGCTCTGCCTTGTATGTGGG 356
                                                                                                                                                                        999 ATCCTGCACACTCCGGGGTGTGTCCCTTGCGTTCGCGAGGGTAACGCCTCGAGGTGTTGG 1058
                                                                                                                                                                                                                                                             939 CTTTACCATGTCACCAATGATTGCCCTAACTCGAGTATTGTGTACGAGGCGGCCGATGCC 998
                                                                                                                                                                                                                                                                                                                                                  879
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                                                                                                                           241 ATACCGGTCACCCCTAACATCGCTGTGAGCCAACCTGGCGCGCTTACCAAGGGCCCTGCGG 300
                                                                                                                                                                                                                181 GTCCTTCACGTCCCTGGATGTGTTCCCTGTGAGTGGAAGGACAACACCTCCCGCTGCTGG 240
                                                                                                                                                                                                                                                                                                     121 TCTTACATGGTGACCAATGATTGCTCGAACAGCAGCATCGTTTGGCAGCTCGAGGAGGCC 180
                                                                                                                                                                                                                                                                                                                                                                                        61 GCCCTGCTTTCTTGCATCACCGTGCCGGTCTCTGCCGTGCAAGTTGCGAACCGCAGTGGT 120
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CGTCATATCGATCTGCTTGTCGGGAGCGCCACCCTCTGCTCGGCCCTCTACGTGGG 1174
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Search completed: January 11, 2006, 04:37:51 Job time: 89.4734 secs

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Result
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Maximum
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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score
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re greater than or equal to the score of the result being printed,
is derived by analysis of the total score distribution.
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length: 2000000000
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             Issued_Patents_NA:*
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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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             GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
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                    PCT-US95-10398-139
US-09-878-281A-193
US-09-194-949A-5
US-08-290-665A-141
PCT-US95-10398-141
US-08-290-665A-117
PCT-US95-10398-117
                                                                                                      PCT-US95-10398-144
US-09-878-281A-165
US-08-290-665A-145
PCT-US95-10398-145
PCT-US95-10398-145
PCT-US95-10398-145
PCT-US95-10398-145
PCT-US95-10398-145
US-08-290-665A-142
PCT-US95-10398-142
US-09-878-281A-191
US-08-290-665A-139
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US-08-290-665A-143
PCT-US95-10398-143
US-09-878-281A-163
US-08-290-665A-144
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252	253.6	253.6	253.6	253.6	253.6	253.6	253.6	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2
81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
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US-08-441-971-53	PCT-US95-10398-118	US-08-290-665A-118	US-08-441-970-54	US-08-442-144A-54	US-08-221-653-54	US-08-441-971-54	US-08-931-855B-13	US-08-928-757-49	US-08-927-597-49	US-08-612-973-49	US-08-441-970-63	US-08-441-970-62	US-08-441-970-57	US-08-442-144A-63	US-08-442-144A-62	US-08-442-144A-57	US-08-221-653-63	US-08-221-653-62	US-08-221-653-57	US-08-441-971-63
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	, App		App1	Appl	Appl	Appl	Appl	App1	Appl	Appl	App1	Appl	Appl	Appl	Appl	Appl	Appl	Appl	Appl	Appl

ALIGNMENTS

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION UNMEER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1994
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
PRIOR APPLICATION NUMBER: EP 95870076.7
PRIOR APPLICATION NUMBER: 29,775
PRIOR APPLICATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 19,775
REFERENCE/DOCKET NUMBER: 1,1005:004
INFORMATION FOR SED ID NO: 27:
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US-08-836-075A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 27, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MAERTENS, CAPPLICANT: STUYVER, LITILE OF INVENTION: AN TITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF SEQUENCES: 2
                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 310 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: AK
                                      STRANDEDNESS: single TOPOLOGY: linear
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ZIP: 77210-4433
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                                                                     1: 310 base pairs nucleic acid
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NEW SEQUENCES OF HEDATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
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Best Local Similarity
Matches 310; Conserv
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                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665A
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
CLASSIFICATION: 435
        TELEFAX: (212) 751-684
TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE ST3 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: BUKH, J., N
APPLICANT: PURCELL, R.
TITLE OF INVENTION: UN
TITLE OF INVENTION: AN
TITLE OF INVENTION: CO
TITLE OF INVENTION: SI
                                                                           REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                             ZIP:
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100.0%; Pred. No. 5.7e-93;
tive 0; Mismatches 0;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 143, Application PC/TUS9510398 GENERAL INFORMATION:
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: PURCELL, ITITLE OF INVENTION: IT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORIGINAL SOURCE:
              APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                  SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION NUMBER: PCT/US95/10398
APPLICATION NUMBER: PCT/US95/10398
                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                              FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                          ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: homosapiens INDIVIDUAL ISOLATE: Z6
                                                                                                                                                  FILING DATE: 1
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                           CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                           COUNTRY:
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REGISTRATION NUMBER:
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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                                                                                                                  08/086,428
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36,459
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121 GGCCCCAGGTTGGGTGTGCGCGCGACTCGGAAGACTTCGGAGCGGTCGCAACCTCGTGGG
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TATCCATGGCCTCTTTACGGTAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCACCC
                                                                                                                                                   AGACGCCAACCTATCCCCAAGGCGCGTCGATCCGAGGGAAGGTCCTGGGCACAGCCAGGA
                              TATCCATGGCCTCTTTACGGTAATGAGGGTTGCGGGTGGGCANNATGGCTCTTGTCCCCC
                                                                                                   AGACGCCAGCCTATCCCCAAGGCACGTCGATCTGAGGGAAGGTCCTGGGCTCAGCCCGGG
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US-09-878-281A-163
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                                                                                                                                                                  ; TYPE: DNA ; ORGANISM: hepatitis C virus US-09-878-281A-163
                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:

APPLICANT: Innogenetics N.V.

TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 163, Application US/09878281A Patent No. 6762024
                                                                                                                                                                                                                                    SEQ ID NO 163
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Best Local Similarity
Matches 296; Conserv
                                                                                                    Matches
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                                                                                                                                   Query Match
                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/878,281A CURRENT FILING DATE: 2001-06-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (212) 751-684
TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                   ENGTH: 499
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LENGTH: 573 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 758-4800
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 61 GACGTTAAGTTCCCGGGTGGTGGCCAGATCGTTGGCGGAGTTTACTTGTTGCCGCGCAGG 120
                                                                ATGAGCACGAATCCTAAACCTCAAAGAAAAAACCAAACGTAACACCAACCGCCGCCCCATG 60
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93.5%;
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                                                                                                 Score 279.2; DB Pred. No. 3e-83; 0; Mismatches
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Pred. No. 2e-
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                                                                                                                                DB 3;
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                                                                                               20; Indels
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                                                                                                                                 Length 499;
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US-08-290-665A-144
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US-08-290-665A-144
 Matches 290;
                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 144, Application US/08290665A
                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665;
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: BUKH, J.
APPLICANT: PURCELL,
                                                                                                                                                                                                                                                   TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: PITTLE OF INVENTION: FITTLE OF INVENTION: FITTLE OF INVENTION: FITTLE OF INVENTION: SUMMBER OF SEQUENCES:
                                                                                                                                      ORIGINAL SOURCE:
                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                     Local Similarity
                                                                                                 ORGANISM: homosapiens INDIVIDUAL ISOLATE: Z7
                                                                                                                 ORGANISM:
                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                       TELEFAX:
                                                                                                                                                                                                                                                                                       TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: MORGAN & FINNEGAN
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NEW YORK
                                                                                                                                                                                        nucleic acid
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                                                                                                                                                                                                          573 base pairs
   Conservative
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                                                                                                                                                                        single
                     90.1%;
93.5%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND

CORE GENES OF ISOLATES OF HEPATITIS C VIRUS

AND THE USE OF REAGENT'S DERIVED FROM THESE

SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES

263
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                                                                                                                                                                                                                                                                                                                                                 2026-4116
                   Score 279.2; DB 2
Pred. No. 3.2e-83;
   Mismatches
                                     DB 2;
                                     Length 573;
   Indels
   <u>,,</u>
Gaps
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             TELEX: (4...
TELEX: 421792
TELEX: 421792
TELEX: FOR SEQ ID NO: 14.
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TVPE: nucleic acid
TVPE: single
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PCT-US95-10398-144
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GENERAL INFORMATION:
APPLICANT: BURH, J., MILLER, R.H. AN
APPLICANT: PURCELL, R.H.
                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: 15-AUG-19
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY 1
ORIGINAL SOURCE
                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                  TELEPHONE: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 345 PARK AVENUE CITY: NEW YORK STATE: NEW YORK
                                                                                                                                                                                                                        NAME: RICHARD W. BORK REGISTRATION NUMBER:
                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
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RESULT 7
US-09-918-281A-165
; Sequence 165, Application US/09878281A
; Patent No. 6762024
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                                                                                                                                                                    US-09-878-281A-165
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 165
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Best Local Similarity
                                                                                                    Matches
                                                                                                                                   Query Match
                                                                                                                                                                                NAME/KEY: misc feature
LOCATION: (340)...(340)
OTHER INFORMATION: "n" is any nucleotide
                                                                                                                                                                                                                                                 NAME/KEY: misc feature LOCATION: (313)...(313) OTHER INFORMATION: "n"
                                                                                                                                                                                                                                                                                                                     LOCATION: (306)..(306)
OTHER INFORMATION: "n" is
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                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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                                                                                                                   Similarity
 GACGTTAAGTTCCCGGGTGGTGGCCAGATCGTTGGCGGAGTTTACTTGTTGCCGCGCAGG 120
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                                                                     ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCCATG
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Pred. No. 3.2e-83;
                                                                                                                   Score 275; DB 3;
Pred. No. 7.6e-82;
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                                                                                                                                 Length 499;
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US-08-290-665A-140
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                                                                                                                                                                                 ; ORIGINAL SOURCE:
; ORGANISM: homosapie;
; INDIVIDUAL ISOLATE:
US-08-290-665A-140
                                                                                                                                                                                                                                                                                                                                            TELEX: 421792
INFORMATION FOR SEQ ID NO: 1.
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
                                                                                        Query Match 87.0%;
Best Local Similarity 91.6%;
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                                                            Matches 284; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/2
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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MEDIUM TYPE: FLOOP DISK
COMPUTER: IBM FC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: BUILL,
PURCELL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY:
                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: MORGAN & FINNEGAN STREET: 345 PARK AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
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NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (212) 751-6849
                                                                                                                                                                                                             homosapiens
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          140:
                                                     Score 269.6; DB 2;
Pred. No. 5.2e-80;
0; Mismatches 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2026-4116
                                                        Indels
                                                                                                                 Length 573;
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Query Match
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RESULT 9
US-08-290-665A-145
                                                    TELEX: 421792
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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APPLICANT: BUKH, J.,
APPLICANT: PURCELL,
                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,60
FILING DATE: 15-AUG-1994
                                       ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
REGISTRATION NUMBER: 36,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                        ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: NEW YORK STATE: NEW YORK
ORGANISM: homosapiens INDIVIDUAL ISOLATE: DK13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 10154
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISCLAFES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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                                                                                                                                                                                                                                                                                                                                                                                                      US/08/290,665A
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RESULT 10
PCT-US95-10398-140
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TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
                                                                                                                                                         APPLICATION NUMBER: 08/086,42
FILING DATE: 29 JUNE 1933
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/66
FILING DATE: 15 AUGUST 1994
ATTORNEY, AGENT INFORMATION:
NAME: RICHARD W. BORK
                                                                                                                                                                                                                                                                                                                                                                        ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-D
SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                     REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC'
FILING DATE: 15-AUG-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: BUKH, J. APPLICANT: PURCELL,
                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                       TELEPHONE: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                              REGISTRATION NUMBER:
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NEW YORK
: NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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                                                                                                                                                                                                                                                                                                                          15-AUG-1995
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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0; Mismatches 26;
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PCT-US95-10398-140
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PCT-US95-10398-145
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Best Local Similarity
                                                                                                                                                                                            ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: BUXH, J., APPLICANT: PURCELL,
                    APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
                                                                        FILING DATE: 29 JUNE 1993 PRIOR APPLICATION DATA:
                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                 CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                             APPLICATION NUMBER: PCT/
FILING DATE: 15-AUG-1995
                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: MORGAN & FINNEGAN
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   RICHARD W. BORK
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91.6%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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                                                                                                                                                                                                                                                                                                                                                                                                                                   263
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Pred. No. 5.2e-80;
0; Mismatches 26
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RESULT 12
US-08-290-665A-142
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Best Local Similarity
Matches 284; Conserva
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                            TITLE OF INVENTION:
NUMBER OF SEQUENCES:
 SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPEY DISK
COMPUTER: LEM FC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: BUKH, J., MILLER, R.H. AND APPLICANT: PURCELL, R.H.
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TELECOMMUNICATION INFORMATION:
TELLEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                      STREET:
CITY: N
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INDIVIDUAL ISOLATE: DI
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NEW YORK
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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 US/08/290,665A
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Pred. No. 5.2e-80;
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                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
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REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPAX: (212) 751-6849
TELEY, 421792
INFORMATION FOR SEQ ID NO: 142:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
                                                                                                                                                                                                                                                                                                               Sequence 142, Application PC/TUS9510398
GENERAL INFORMATION:
APPLICANT: BURKH, J., MILLER, R.H. AND
APPLICANT: PURCELL, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                    TITLE OF INVENTION: N
TITLE OF SEQUENCES:
COUNTRY: USA
ZIF: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORIGINAL SOURCE:
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                                                                                                              STATE: NEW YORK
                                                                                                                                  CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: homosapiens INDIVIDUAL ISOLATE: Z5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 573 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          181
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
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91.3%;
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300 300

240

180

120 120 60 60

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Score 268; DB 2;
Pred. No. 1.8e-79;
0; Mismatches 27
                       Length 573;
 Indels
°;
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Gaps

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: 15-AUG-19

15-AUG-1995

PCT/US95/10398

WORDPERFECT 5.1

CLASSIFICATION:

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US-09-878-281A-191
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                          Sequence 191, Application US/09878281A
Patent No. 6762024
GIMERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SEQ ID
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Best Local Similarity 91.3%;
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APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
                  SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
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REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORIGINAL SOURCE:
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NO 191
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; LENGTH: 289
; TYPE: DNA
; ORGANISM: hepatitis C
US-09-878-281A-191
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Best Local Similarity
                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,665/
FILING DATE: 15-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
                           TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 573 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                 REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                    TELEPHONE: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 10154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: NEW YORK
                STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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TOPOLOGY:
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linear
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                                                                                                                                    (212) 758-4800
              single
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95.1%;
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AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
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Search completed: January 11, 2006, 04:37:52 Job time: 78.0414 secs
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; ORGANISM: homosapiens
; INDIVIDUAL ISOLATE: Z4
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                                                                                                    301 CGCGGTTCTC 310
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 200000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Title:
Issued_Patents_NA:*

1: /cgn2_6/ptodata/1/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

7: /cgn2_6/ptodata/1/ina/PCOMB.seq:*

8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/Backfiles1.seq:*
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Gapop 10.0 , Gapext 1.0
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Copyright (c) 1993 - 2006 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		N	K)	K1			28				13 296		11 303			8 327	w		5 377			2 402	1 446	Result No. Sc
40.4	0.4	40.4	66.2	66.2	277	5.4	.4	287		4.6			نة 8	6		7.8	29.4	9.4	7.4	379	٠	2.6		Score
		53.8			62.0	63.8	63.8		•	65.9	66.3	•	68.0		71.9	73.3	73.7	73.7	84.4		85.5	90.1		Query Match
576	576	576	579	574	579	579	574	579	447	579	579	579	579	579	579	579	579	574	447	447	447	447	447	Length
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-80	US-08-086-428B-43	US-08-086-428B-42	US-09-878-281A-189	US-09-878-281A-122	US-09-878-281A-179	US-09-878-281A-175	US-09-878-281A-120	US-09-878-281A-177	US-08-836-075A-39	US-09-878-281A-173	US-09-878-281A-181	US-09-878-281A-171	US-09-878-281A-169	US-09-878-281A-183	- 1	US-09-878-281A-187	US-09-878-281A-185	US-09-878-281A-118	US-08-836-075A-33	US-08-836-075A-35	752	US-08-836-075A-37	US-08-836-075A-29	ID
42	43,	42,	189,	122,	179,	175,	120,	177,	39,	173,	181,	171,	Sequence 169, App	183,	167,	e 187,	185,	118,	e 33,	35,	31,	e 37,	Sequence 29, Appl	Description

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227.4	227.4	227.4	227.4	227.4	227.4	227.4	229	229	229	229	229	229	229	240.4	240.4	240.4	240.4	240.4	240.4	1.040
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US-09-201-912-2	US-08-487-231-27	US-08-487-231-2	US-07-965-285-27	US-07-965-285-2	US-08-483-695-27	US-08-483-695-2	US-10-259-275-17	US-09-034-756-1	US-08-811-566-1	US-09-014-416-2	US-09-034-756-19	US-08-811-566-19	US-08-432-693-1	PCT-US95-10398-43	PCT-US95-10398-42	US-08-466-601A-43	US-08-466-601A-42	US-08-290-665A-43	US-08-290-665A-42	00-00-100-070-100
Sequence 2, A	Sequence 27,	Sequence 2, A	Sequence 27,	Sequence 2, A	Sequence 27,	Sequence 2, A	Sequence 17,	Sequence 1, A	Sequence 1, A	Sequence 2, A	Sequence 19,	Sequence 19,	Sequence 1, A	Sequence 43,	Sequence 42,	Sequence 43,	Sequence 42,	Sequence 43,	Sequence 42,	oequence to,
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ALIGNMENTS

US-08-336-075A29 US-08-336-075A29 Sequence 29, Application US/08836075A PACENT No. 6180768 GENERAL IMPORMATION: APPLICANT: APPLICANT: MARTHENS, GEERT APPLICANT: MITTLE OF INVENTION: AND MESSEDUENCES OP HEPATITIS C VIRUS GENOTYPES TITLE OF INVENTION: AND THERIF USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TITLE OF INVENTION: AND THERIF USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TITLE OF INVENTION: AND THERIF USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TITLE OF INVENTION: AND THERIF USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC TITLE OF INVENTION: ACKNTS UNUMER OF SEQUENCES: ADDRESSEE: AROULD, WHITE & DURKEE STREET: P.O. BOX 4433 CITY: HOUSTON STREET: P.O. BOX 4433 CITY: HOUSTON STRIE: TEXAS COUNTRY: USA COMPUTER: TEXAS COUNTRY: USA COUN

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RESULT 2
US-08-836-075A-37
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                                                                                                                       ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASC
CURRENT APPLICATION DATA:
ADDICATION DATA:
ORDITATION TRIMBER AIG 606 675
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 37, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
          APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: EP 94870166.9
FILING DATE: 21 Oct 1994
                                                                                                                                                                                                                                                                                                                   APPLICANT: MAERTENS, CAPPLICANT: STUYVER, LITILE OF INVENTION: ATTITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF SEQUENCES:
PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
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nes 447; Conserv
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          APPLICANT: MAERTENS, GEER
APPLICANT: STUYVER, LIEVE
TITLE OF INVENTION: NEW S
TITLE OF INVENTION: AND T
TITLE OF INVENTION: AGENT
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHIT
STREET: P.O. BOX 4433
CITY: HOUSTON
STATES: TEXAS
COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                      GENERAL INFORMATION:
 COMPUTER READABLE FORM:
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AGENTS: 207

HITE

& DURKER

AND THEIR USE AS

PROPHYLACTIC, THERAPEUTIC A

THERAPEUTIC AND DIAGNOSTIC

LIEVEN GEERT

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; ANTI-SENSE: US-08-836-075A-37
                                  RESULT 3
US-08-836-075A-31
Sequence 31, Application US/08836075A Patent No. 6180768
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Best Local Similarity
Matches 417; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 37:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: lin
MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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LENGTH: 447 base pairs
TYPE: nucleic acid
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Pred. No. 5.7e-122;
3; Mismatches 27;
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RESULT 4
US-08-836-075A-35
; Sequence 35, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
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; ANTI-SENSE: NO
US-08-836-075A-31
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ATTORNEY/AGENT INFORWATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NNS:004
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local Similarity
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft word 6.0 / ASCII text output

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A

FILING DATE: 21 Apr 1997

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
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Pred. No. 2.8e-115;
2; Mismatches 40;
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Best Local Similarity
Matches 400; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 101
INFORMATION FOR SEQ ID NO: 35:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA: PCT/EP95/04155
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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HYPOTHETICAL:
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COUNTRY: USA
ZIP: 77210-4433
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CITY: HOUSTON
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Pred. No. 3.2e-114;
6; Mismatches 41;
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; Sequence 33, Application of 180768; Patent No. 6180768; GENERAL INFORMATION: APPLICANT: STUYVER, APPLICANT: STUYVER,
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                                                                                                                                                                        Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 23 Oct 1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948701

FILING DATE: 21 Oct 1994

PRIOR APPLICATION NUMBER: EP 958700

APPLICATION NUMBER: EP 958700

FILING DATE: 28 Jun 1995

ATTORNEY AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                TOPOLOGY: lin
MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILLING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TITLE OF INVENTION:
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ZIP: 77210-4433
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TYPE: nucleic acid
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121 ATTTACTATGTCAACCAATGATTGCCCGAATTCAAGCATAGTGTATGAGGCCGACCATCAC
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STUYVER, LIEVEN
                                                                                                                                                                        Conservative
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AND THEIR USE A
AGENTS
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89.9%;
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                                                                                                                                                                        43;
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LENGTH: 574
TYPE: DNA
ORGANISM: hepatitis C
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
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   CTGTGCGGTGGCGTATTCTTGGTTGGTCAGATGTTCTCTTTCCAGCCGCGCGCCACTGG
                                                                AGTCATGTGGATCTGATGGTAGGTGCCGCTACTGCGTGCTCCGCTCTTTACATCGGAGAC
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Pred. No. 6.8e-98;
2; Mismatches 73;
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; TYPE: DNA
; ORGANISM: hepatitis
US-09-878-281A-185
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Sequence 187, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
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Best Local Similarity 83.2%;
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
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TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Pred. No. 6.8e-98;
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; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-167
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                                                                                                                                                                                                                                                       FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 167
LENGTH: 579
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, prophy
TITLE OF INVENTION: and therapy
                                                                                                                 Query Match 71.9%;
Best Local Similarity 82.1%;
Matches 367; Conservative
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SEQ ID NO 187
LENGTH: 579
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Best Local (
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                                                                                                                 Score 321.4; DB 3;
Pred. No. 2.9e-95;
2; Mismatches 78;
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; TYPE: DNA
; ORGANISM: hepatitis
US-09-878-281A-183
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Patent NO. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
INTILE OF INVENTION: New sequentions of INVENTION: and therefore the sequential of the sequ
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US-09-878-281A-183
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 183
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Best Local
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Local Similarity 81.4%;
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CURRENT APPLICATION NUMBER: US/09/878,28
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 169
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-169
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US-09-878-281A-169
; Sequence 169, Application
; Patent No. 6762024
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                                                                               RESULT 12
US-09-878-281A-171
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                  Sequence 171, Application Patent No. 6762024 GENERAL INFORMATION:
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
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Best Local Similarity
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  APPLICANT: Innogenetics
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; TYPE: DNA
; ORGANISM: hepatitis
US-09-878-281A-171
               US-09-878-281A-181
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                                                                                                                                                                                                                                                                                                                                                                   RESULT 13
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 171
                                                                                                                CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 181
LENCTH: 579
TYPE: DNA
                                                                                                                                                                                                                                                                                                                 Sequence 181, Application US/09878281A Patent No. 6762024
                                                                                                                                                                                                                                                                                                Patent No. 6762024
GENERAL INFORMATION:
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Best Local Similarity
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                           NAME/KEY: misc_feature
LOCATION: (152)..(152)
OTHER INFORMATION: "n"
                                                                                                  ORGANISM: hepatitis C virus
                                                                                  FEATURE:
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Pred. No. 1.6e-87;
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TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 173
LENGTH: 579
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US-09-878-281A-173
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                                  ATCTATCACATCACTAATGACTGCCCTAACTCTAGCATAGTCTTTGAGGCAGAGCATCAC
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78.5%;
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Pred. No. 1.8e-86;
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Pred. No. 5.4e-87;
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                                                                US-08-836-075A-39
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 Matches
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GENERAL INFORMATION:
                               Query Match
                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 94870166.9

FILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 95870076.7

FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 39:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, APPLICANT: STUYVER, I TITLE OF INVENTION: I TITLE OF INVENTION: I TITLE OF INVENTION: I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / J CURRENT APPLICATION DATA:
                                                                             MOLECULE TYPE: C
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: F.C. STREET: HOUSTON TEXAS
Local Similarity hes 348; Conserv
                                                                                                                               TOPOLOGY:
                                                                                                                                           STRANDEDNESS: single
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Score 288.6; DB 3;
Pred. No. 1.5e-84;
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                       ACTACTCAAGATTGCAATTGTTCCATC
                                                        CTCTGCGGGGGTGCCTTCCTAGTGGGGCAGATGTTCACCTTCCAGCCGCGTCGCCACTGG
                                                                                                               CGGCATGTGGATCTGATGGTGGGTGCAGCTACCCTATCGTCTGCCCCTCTACGTTGGAGAC
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ACTGTCCAAGACTGCAACTGTTCCATC
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Search completed: January 11, 2006, 04:37:53
Job time: 112.089 secs

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Result
No.
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Maximum DB seq length: 2000000000
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  294.6
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Maximum Match 100%
Listing first 45 summaries
                          Issued_Patents_NA:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /cgn2_6/ptodata/1/ina/1_COMB.seq:*
/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
    GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DВ
                                     US-08-836-075A-31
US-08-836-075A-33
US-08-836-075A-35
US-08-836-075A-29
US-09-878-281A-118
US-09-878-281A-118
US-09-878-281A-167
US-09-878-281A-167
US-09-878-281A-177
US-09-878-281A-173
US-09-878-281A-173
US-09-878-281A-173
US-09-878-281A-175
US-09-878-281A-179
US-09-878-281A-189
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Sequence 37,
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31, Appl
37, Appl
37, Appl
38, Appl
185, Appl
118, Appl
118, Appl
1187, Appl
167, Appl
169, Appl
171, Appl
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171, Appl
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173, Appl
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177, Appl
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US-08-836-075A-31
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223	200	223.4	224.6	224.6	226.2	226.2	226.2	•	226.4	226.4	226.4	226.4	226.4	255.6	•	255.6	•	255.6	•	258.8
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sequence is, Appi		e 15	e 5, Ar	Sequence 5, Appli	e 17	e 1,	e 1,	e 2, 1	Sequence 44, Appl	44,	44,	44,	44,	43,	e 43,	e 43,	e 43,	e 43,	e 42,	Sequence 42, Appl

ALIGNMENTS

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Sequence 31, Application US/08836075A
PATENT NO. 180768
GENERAL INFORMATION:
APPLICANT: STUTVER, LIEVEN
APPLICANT: STUTVER, LIEVEN
TITLE OF INVENTION: AND HESIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND HESIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSES: ANDLO, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
TOTAL PORT OF THE COMPANY
COMPUTER: LENDARDLE FORM:
MEDIUM TYPE: PLOPPY disk
COMPUTER READABLE FORM:
MEDIUM TYPE: 1 PLOPPY disk
COMPUTER: LIEM PC COMPATHING
MEDIUM TYPE: 1 PLOPPY disk
COMPUTER: LIEM PC COMPATHING
MEDIUM TYPE: 1 PLOPPY disk
COMPUTER: JENDARDLE FORM:
MEDIUM TYPE: 1 PLOPPY disk
MEDIUM TYPE: 1 PLOPPY disk
COMPUTER: JENDARDLE FORM:
MEDIUM TYPE: 21 APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 95870076.7

MAME: VAMPERENT DATE: 1 PLOPPY
ATTORNEY/AGENT INFORMATION:
MAME: VAMPER TO A DATE: 1 PLOPPY
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ATTORNEY/AGENT MOMBER: INFORMATION:
MAME: VAMPER TO A DATE: 1 PLOPPY
ATTORNEY/AGENT MOMBER: INFORMATION:
MAME: VAMPER TO A DATE: 1 PLOPPY
ATTORNEY/AGENT MOMBER: INFORMATION:
MAME: VAMPER TO A DATE: 1 PLOPPY
ATTORNEY/AGENT MOMBER: INFORMATION:
MAME: VAMPER TO A DATE: 1 PLOPPY
ATTORNEY/AGENT MOMBER: INFORMATION:
MAME: VAMPER TO A DATE: 1
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US-08-836-075A-33
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                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION: MARKTENS, GEERT APPLICANT: MARKTENS, LIEVEN
APPLICANT: STUTYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
TITLE OF INVENTION: AGENTS
TITLE OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 33,
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Best Local Similarity
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          APPLICATION NUMBER: US/08/
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EF
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: FLOPPY disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / A
CURRENT APPLICATION DATA:
                                                                                                                                                                                                 STATE: 'LE'.
STATE: 'USA
COUNTRY: USA
77210-4433
779: 77210-4433
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PRIOR APPLICATION DATA
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                                                                                                                                                                                                                                                            ADDRESSEE: ARN STREET: P.O. B CITY: HOUSTON
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                          EP 94870166.9
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Pred. No. 4.1e-128;
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ATTORNEY AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INS
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
                                                                                                                            GENERAL INFORMATION:
APPLICANT: MAERTENS, G
APPLICANT: STUTYVER, LI
APPLICANT: STUTYVER, LI
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
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Best Local Similarity
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                                                                        NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
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ANTI-SENSE: NO
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 COMPUTER READABLE FORM:
            STREET: P.O. BOX
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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STRANDEDNECC
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91.3%;
                                                                                                                                                NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC A
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                                                                                                                               AGENTS
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                                                                                                                                                                                           GEERT
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AND DIAGNOSTIC

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61 GCACTCCTCTCGTGCCTGACTGTTCCCCGCTTCGGCCATTAACTACCGCCAACACCTCGGGC
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                          AGTCATGTGGATCTGATGGTGGGGGGCTGCCACTGTTTGCTCAGCCCTTTACATCGGGGAT
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TTGTGTGGCGGTGCGTTCTTGGTTGGTCAGATGTTCTCTTTCCGACCACGGCGCCACTGG
                                                                                  AGTCATGTGGATCTGATGGTGGGGGGCCACTGTCTGTTCAGCCCTTTACATCGGGGAT
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RESULT 4
US-08-836-075A-35
US-08-836-075A-35
; Sequence 35, Application U
; Patent No. 6180768
; GENERAL INFORMATION:
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Best Local Similarity
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REFERENCE/DOCKET NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1 INNS:004
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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COMPUTER: IF
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Pred. No. 1e-108;
1; Mismatches 39;
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US-08-836-075A-35
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Best Local Similarity
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PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 95870076.7
PILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 447 base pairs
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HYPOTHETICAL: 1
ANTI-SENSE: NO
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94
FILING DATE: 21 Oct 1994
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
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TOPOLOGY: lir
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                                                                                                    GTGGCCCTTACTCCTACCGTCGCAGCGCCATACATCGGCGCACCGCTTGAGTCTCTGCGG
                                                                                                                                         ATCTTAGCACTTCCAGGTTGCGTGCCCTGCGTGAGAGTGGGGAACCAGTCACGCTGCTGG
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                                 AGTCATGTGGATCTGATGGTGGGGGCTGCCACTGTTTGCTCAGCCCTTTACATCGGGGAT 360
                                                                     447 base pairs
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Pred. No. 2.4e-108;
4; Mismatches 39;
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PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
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GENERAL INFORMATION:
                                                                                                                                                                            Matches
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Best Local Similarity
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HYPOTHETICAL: N
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / F
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,07
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TITLE OF INVENTION:
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ZIP: 77210-4433
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                                                 GCACTCCTCTCGTGCCTGACTGTCCCCGCCTTCGGCCATCAACTATCGCAATGTCTCGGGC
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AGENTS
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                                                                                                                                                                                         Score 382.2; DB 3; Pred. No. 4.2e-108;
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APPLICANT: Infogenetics N.V.
APPLICANT: Infogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph)
TITLE OF INVENTION: and therapy
FILE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-66-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 185
LENGTH: 579
TYPE: DNA
GRAANISM: hepatitis C virus
US-09-878-281A-185
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   TTGTGTGGCGTATTCTTGGTTGGTCAGATGTTTTCTTTCCGGCCACGACGCCACTGG
                                                                   AGACACGTGGACATGATGGTGGGCCTGCTACTGTGTGCTCCGCTCTATATTGGGGAC
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Pred. No. 6.3e-98;
0; Mismatches 61
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RESULT 8
US-09-878-281A-187
; Sequence 187, Application US/09878281A
; Patent NO. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatiti
; TITLE OF INVENTION: and therapy
; FILE REFERENCE: 35
; CURRENT APPLICATION NUMBER: US/09/878,281A
; CURRENT FILING DATE: 2001-06-12
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 118
LENGTH: 574
TYPE: DNA
ORGANISM: hepatitis C virus
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GENERAL INFORMATION:
APPLICANT: Inmogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Best Local Similarity 86.1%;
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; SEQ ID NO 187
; LENGTH: 579
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-187
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                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 183
LENGTH: 579
                                                                                                                                                                                                                           Sequence 183, Application US/09878281A PATENT NO. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of 1
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                Matches
                                               Query Match
Best Local :
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Best Local :
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                                                                                                         TYPE: DNA ORGANISM: hepatitis C virus
                                               Local Similarity
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                                               Score 341.4; DB Pred. No. 1.9e-95
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 167
SEQ ID NO 167
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No. 6762024
GENERAL INFORMATION:
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Best Local Similarity
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TITLE OF INVENTION: and the FILE REFERENCE: 35
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Pred. No. 5.4e-92;
0; Mismatches 73;
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; Sequence 171, Application
; Patent No. 6762024
; GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/09/878;
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 169
LENGTH: 579
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APPLICANT: Innogenetics N.V.
APPLICANT: INVENTION: New sequences
TITLE OF INVENTION: and therapy
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   APPLICANT: Innogenetics N.V.
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Pred. No. 4.9e-88;
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RESULT 13
US-09-878-281A-173
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; TYPE: DNA
; ORGANISM: hepatitis
US-09-878-281A-173
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; ORGANISM: hepatitis C
US-09-878-281A-171
             Query Match
Best Local Similarity
Matches 362; Conserv
                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 173
SEQ ID NO 173
                                                                                                                                                                                                                                                                                        Sequence 173, Application US/09878281A Patent No. 6762024
GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-06-12
CURRENT FILING DATE: 2001-06-12
CURRENT FILING DATE: 2001-06-12
SOFTWARE: Patentin version 3.1
SEQ ID NO 171
LENGTH: 579
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Best Local Similarity
Matches 362; Conserv
                                                                                                                                                                                                                            FILE REFERENCE: 35
                                                                                                                                                                                                                                       APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
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                               Score 311; DB 3;
Pred. No. 4.6e-86;
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Pred. No. 4.6e-86;
0; Mismatches 85
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US-09-878-281A-181
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 181
LENGTH: 579
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Best Local Similarity
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Patent No. 6762024
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TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                      ORGANISM: hepatitis C virus FEATURE:
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                                                              ATCTACCACGTCACCAATGACTGCCCGAACTCGAGCATAGTTTATGAGGCCGACCACCAC 180
                                                                                              GCACTTCTCTCGTGCCTGACTGTCCCGGCCTCGGCTCAGCACTACCGGAATGTCTCGGGC
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 ATCTTGCACCTTCCAGGTTGCGTGCCCTGCGTGAGAACTGGGAATCAGTCACGTTGCTGG
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Pred. No. 5.3e-81;
0; Mismatches 95;
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240 279 219 120 159 60

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FILE REFERENCE: 35
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 120
LENGTH: 574
TYPE: DNA
ORGANISM: hepatitis C virus
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US-09-878-281A-120
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APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
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Best Local
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Local Similarity 78.5%;
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ACTGCCCAGGATTGCAATTGTTCTATC 447
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                                                                TIGIGIGGCGCTIGITCTIGGTTGGTCAGAIGTTTTCTTTCCGACCACCACGACGCCACTGG
                                                                                                                            AGTCATGTGGATCTGATGGTGGGGGGCTGCCACTGTTTGCTCAGCCCCTTTACATCGGGGAT
                                                                                                                                                                                            GTGGCCCTTACTCCTACCGTCGCAGCGCCCATACATCGGCGCACCGCTTGAGTCTCTGCGG
                                                                                                                                                                                                                                                                                                                                                        GCACTTCTCTCGTGCTTGACTGTCCCGGCCTCGGCGCAGCACCTACCGGGAACATCTCGGGC
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                                               CTTTGCGGAGGTGTCTTCCTGGTCGGGCAGATGTTCACCTTCCGGCCGCCGCCGCCATTGG
                                                                                                           CGGCACGTGGACTTAATGGTGGGTGCCGCCACCGTCTGCTCGGCCCCTGTACATCGGAGAC
                                                                                                                                                                     GTTCCTTTAACACCCACTGTGGCTGCCCCCTATGTTGGCGCGCCGCTCGAATCCATGCGG
                                                                                                                                                                                                                                 ATCATGCATCTACCAGGGTGTGTGCCTTGCGTGAGAACCCGGGAACACCTCGCGCTGCTGG
                                                                                                                                                                                                                                                                                              ATTTATCACGTCACCAATGACTGCCCGAACTCTAGTATAGTGTATGAAGCTGACCATCAT
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Pred. No. 1.3e-80;
0; Mismatches 96;
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Db 520 ACTACCCAGGACTGCAACTGCTCTATC 546

Search completed: January 11, Job time: 112.089 secs

2006, 04:37:54

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Result
No.
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Maximum DB seq length: 200000000
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Searched:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and is
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1: /cgn2_6/ptodata/1/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PTCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PT_COMB.seq:*

7: /cgn2_6/ptodata/1/ina/PE_COMB.seq:*

8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/Backfiles1.seq:*
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Match
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447
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                                    Maximum Match 100%
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                         GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB
                             US-08-836-075A-33
US-08-836-075A-29
US-08-836-075A-39
US-08-836-075A-39
US-08-836-075A-39
US-08-836-075A-39
US-09-878-281A-118
US-09-878-281A-1167
US-09-878-281A-179
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US-09-878-281A-179
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US-09-878-281A-181
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US-09-878-281A-181
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US-08-88-281A-199
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US-08-88-281A-199
US-08-88-281A-199
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US-08-88-281A-199
US-08-88-281A-199
US-08-468-570-42
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 29, F
Sequence 37, F
Sequence 118,
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Sequence 35,
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Sequence 171,
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                                                                                                      33, Appl
35, Appl
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219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8	223.4	229.6	229.6	229.6	229.6	229.6	244.4	244.4	244.4	244.4	244.4	246	246
49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	50.0	51.4	51.4	51.4	51.4	51.4	54.7	54.7	54.7	54.7	54.7	55.0	55.0
1863	1539	1019	1019	501	501	501	501	1018	576	576	576	576	576	576	576	576	576	576	576	576
N	N	w	w	w	N	N	N	w	6	w	N	N	N	σ	w	N	N	N	σ	w
US-08-470-426B-13	US-08-470-426B-16	US-08-444-818-154	US-08-444-818-153	US-09-201-912-29	US-08-487-231-29	US-07-965-285-29	US-08-483-695-29	US-08-444-818-151	PCT-US95-10398-44	US-08-466-601A-44	US-08-290-665A-44	US-08-468-570-44	US-08-086-428B-44	PCT-US95-10398-43	US-08-466-601A-43	US-08-290-665A-43	US-08-468-570-43	US-08-086-428B-43	PCT-US95-10398-42	US-08-466-601A-42
Sequence 13, App	Sequence 16, App.	Sequence 154, App	Ψ	•	Sequence 29, Appl	•	•	۳	•	Sequence 44, Appl	•	•	•	Sequence 43, App	•	•	•	•	Sequence 42, App	Sequence 42, App

ALIGNMENTS

US-08-836-075A-33

RESULT 1

```
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
REFERENCE/DOCKET NUMBER: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: mucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 33,
Patent No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: MAERTENS, GEE
APPLICANT: STUYVER, LIEV
TITLE OF INVENTION: NEW
TITLE OF INVENTION: AND
TITLE OF INVENTION: AGEN
NUMBER OF SEQUENCES: 201
CORRESPONDENCE ADDRESS:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: HOUSTON STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3, Application US/08836075A
6180768
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGENTS: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , GEERT
LIEVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WHITE & DURKEE
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RESULT 2
US-08-836-075A-31
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                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 6180768
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: PCT/EP95/04155 APPLICATION UMBER: PCT/EP95/04155 PRIOR APPLICATION NUMBER: EP 94870166.9 PRILING DATE: 21 Oct 1994 PRIOR APPLICATION NUMBER: EP 94870166.9 PRILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                    APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AI
TITLE OF INVENTION: AGENTS
TITLE OF SEQUENCES: 207
                                                                                                                                                          ZIF: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ANTI-SENSE:
                                                                                                                                     SOFTWARE: Microsoft Word 6.0 / CURRENT APPLICATION DATA:
                                                                                                                                                                                                                            ADDRESSEE: ARNOL
STREET: P.O. BOX
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
CITY: HOUSTON

WHITE

gr

AND DIAGNOSTIC

STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:

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US-08-836-075A-35
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
                                                                                                        Sequence 35, Application US/08836075A Patent No. 6180768
GENERAL INFORMATION:
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APPLICANT: MAERTENS, CAPPLICANT: STUYVER, LITTLE OF INVENTION: NITTLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF SEQUENCES:
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ANTI-SENSE: NO
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ATTORNEY/AGENT INFORMATION:
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TOPOLOGY: linear
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Pred. No. 2.2e-113;
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RESULT 4
US-08-836-075A-29
; Sequence 29, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION UMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NNS
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity
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HYPOTHETICAL: N
ANTI-SENSE: NO
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / I
CURRENT APPLICATION DATA:
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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90.2%;
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Pred. No. 2.3e-112;
4; Mismatches 40;
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LEVERT 1475 DATE: 1955
SEQUENCE CHARACTERISTICS:
LEVERT 1475 DATE: 1955
SEQUENCE CHARACTERISTICS:
LEVERT 1475 DATE: 1955
LEVERT 1475
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Best Local Similarity
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HYPOTHETICAL: N
ANTI-SENSE: NO
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / P
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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TOPOLOGY: 111
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STRANDEDNESS: single
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STREET: P.O. BOX 4433
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AND THEIR USE )
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Pred. No. 4.4e-111;
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US-08-836-075A-37
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US-08-836-075A-37
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Best Local Similarity
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII te
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/EP95/04155

FILING DATE: 23 Oct 1995

PRIOR APPLICATION DATA:
APPLICATION UMBER: EP 94870166.9

FILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:
APPLICATION UMBER: EP 95870076.7

FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:
ANASC. EXAMEREE DATETTA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 111
INFORMATION FOR SEQ ID NO: 37:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
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ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
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STREET: P.O. BOX 4433
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                                                                                                                                                                                                                                                   Score 376.2; DB 3;
Pred. No. 1.1e-110;
1; Mismatches 44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INNS:004
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Best Local Similarity
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    TIGIGGCGGTGCGTTCTTGGTTGGTCAGATGTTCTCTTTCCGACCACGGCGCACTGG
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FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 118
LENGTH: 574
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 118, Application US/09878281A Patent No. 6762024
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                                              AGTCATGTGGATCTGATGGTAGGTGCCGCTACTGCGTGCTCCGCTCTTTACATCGGAGAC 459
                                                                          AGTCATGTGGATCTGATGGTGGGGGCGGCCACTGTCTGTTCAGCCCCTTTACATCGGGGAT 360
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84.1%;
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 187
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-187
Sequence 183, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
                                                                                                                                                    RESULT 8
US-09-878-281A-183
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Best Local Similarity 83.9%;
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                                                                   sequences of hepatitis C virus genotypes for diagnosis,
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; NUMBER OF SEQ ID NOS: 284
; SOFTWARE: PatentIn version
; SEQ ID NO 183
; LENGTH: 579
; TYPE DNA
; ORGANISM: hepatitis C viru
US-09-878-281A-183
                                                                                                                                                                                            APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitic title of INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTMARE: PatentIn version 3.1
SEQ ID NO 167
SEQ ID NO 167
LENGTH: 579
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                                                                                                                                                    ; TYPE: DNA
; ORGANISM: hepatitis
US-09-878-281A-167
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Matches 368;
                                                                                                      Query Match
Best Local Similarity
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Best Local Similarity
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                                             GACGGGATTAATTATGCAACAGGGAATCTTCCCGGTTGCTCCTTTTCTATCTTCCTCTTG
GCACTTCTCTCGTGCCTGACTGTCCCCGCTTCGGCCATTAACTACCACACACCTCGGGC 120
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83.4%;
                                                                                      Score 320.6; DB
Pred. No. 8.6e-93
0; Mismatches 7
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Pred. No. 2.3e-95;
0; Mismatches 74
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GENERAL INFORMATION:
APPLICANT: Inmogenetics N.V.
APPLICANT: Inmogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 185
SEQ ID NO 185
CRGANISM: hepatitis C virus
US-09-878-281A-185
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US-09-878-281A-185
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                                                          GTGGCCCTTACCCCTACCATCGCAGCGCCATACATCGGCGCGCACCGCTTGAGTCCTTGCGG
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AGTCATGTGGATCTGATGGTGGGGGCGGCCGCTGTCTGTTCAGCCCTTTACATCGGGGAT
                                          GTGGCCCTCTCCCACCGTGGCGGCGCCTTACATCGGTGCTCCAGTTGAATCCTTCCGG
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82.3%;
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Pred. No. 8.6e-93;
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              RESULT 12
US-09-878-281A-173
; Sequence 173, Application
; Patent No. 6762024
; GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 169
LENGTH: 579
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Patent No. 6762024
GENERAL INFORMATION:
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Best Local
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TITLE OF INVENTION: New sequences of
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
    APPLICANT: Innogenetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis
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                                                                                              CGCCATGTGGACCTGATGGTAGGTGCTGCCACCGTGTGCTCCGCCCTCTACGTCGGCGAC
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RESULT 13
US-09-878-281A-171
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; TYPB: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-173
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TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 173
     Query Match
Best Local Similarity
Marches 356; Conserv
                                                                                                                          CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 171
LENGTH: 579
                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                        Sequence 171, Application US/09878281A Patent No. 6762024
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Best Local Similarity
                                                                              LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis
-09-878-281A-171
                                                                                                                                                                                                                          APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Pred. No. 3.9e-87;
0; Mismatches 90
                0;
               Score 301.4; DB 3;
Pred. No. 1.3e-86;
0; Mismatches 91;
                                                                                                                                                                                                                                                           of.
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 120
; LENGTH: 574
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-120
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US-09-878-281A-120
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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                                                              ATCTTGCATCTCCCAGGTTGCGTGCCCTGCGTGAGAGTGGGGAATCAGTCGAGTTGCTGG
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79.48;
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Pred. No. 4.1e-86;
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genotypes for diagnosis,

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Indels Length

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RESULT 15
US-09-878-281A-175
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APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-66-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 175
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
S-09-878-281A-175
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Best Local Similarity
Matches 355; Conserv
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                      ACCACCCAAGATTGCAACTGCTCCATC 447
                                                                                  TIGIGGGGGGGGGGTTCTIGGTIGGTCAGATGTTCTCTTTCCGACCACGGGGCCACTGG 420
                                                                                                                                                 AGTCATGTGGATCTGATGGTGGGGGCGCCACTGTCTGTTCAGCCCTTTACATCGGGGAT 360
                                                                                                                                                                                                  GTTCCTTTAACACCCACTGTGGCTGCCCCCTATGTTGGCGCGCCCGCTCGAATCCATGCGG
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ACTACCCAGGACTGCAACTGCTCTATC 546
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79.4%;
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Pred. No. 4.1e-86;
0; Mismatches 92;
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Search completed: January 11, 2006, 04:37:55

Job time : 112.089 secs

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Result
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Database
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  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Match
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                                Issued_Patents_NA:*
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Listing first 45 summaries
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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUMS.COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUMS.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
  GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB
                     US-08-836-075A-35
US-08-836-075A-37
US-08-836-075A-33
US-08-836-075A-29
US-09-878-281A-118
US-09-878-281A-187
US-09-878-281A-167
US-09-878-281A-167
US-09-878-281A-171
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US-09-878-281A-171
US-09-878-281A-177
US-09-878-281A-177
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US-09-878-281A-177
US-09-878-281A-179
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                                                                        Sequence 35, Appl
Sequence 37, Appl
Sequence 31, Appl
Sequence 33, Appl
Sequence 118, App
Sequence 118, App
Sequence 187, App
Sequence 167, App
Sequence 167, App
Sequence 171, App
Sequence 171, App
Sequence 171, App
Sequence 172, App
Sequence 175, App
Sequence 177, App
Sequence 179, App
Sequence 179, App
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APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUITION OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 35,
Patent No. 6
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4 5	44	43	42	41	40	39	38	37	36	35	34	S S	32	31	30	29	28	27	26	25
221.4	221.4	221.4	221.4	221.4	221.4	221.4	222.2	223	227.2	227.2	227.2	227.2	227.2	250.6	250.6	250.6	250.6	250.6	252.8	252.8
49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7	49.9	50.8	50.8	50.8	50.8	50.8	56.1	56.1	56.1	56.1	56.1	56.6	56.6
9646	9646	9599	9416	9416	9401	1019	1018	9365	576	576	576	576	576	576	576	576	576	576	576	576
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Sequence 1, Ap	Sequence 1, A	Sequence 2, Ap	Sequence 19, 1	Sequence 19, 1	Sequence 1, Ap	Sequence 153,	Sequence 151,	Sequence 7, Ap	Sequence 44, 1	•	Sequence 44, 1	•	Sequence 44, 1	Sequence 42, 1	Sequence 42, 1	•	•	Sequence 42, 1	•	Sequence 43, 1
Appli	Appli	Appli	App1	App1	ppli	3, App	App	Appli	App1	App1	Appl	Appl	Appl	Appl	App1	Appl	App1	Appl	App1	App1

ALIGNMENTS

5, Application US/08836075A 6180768

APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 35: CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A

FILING DATE: 21 Apr 1997

PRIOR APPLICATION DATA:

APPLICATION UMBER: PCT/EP95/04155

FILING DATE: 23 Oct 1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 94870166.9 SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output APPLICATION NUMBER: EP 9-FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA: HYPOTHETICAL: CORRESPONDENCE ADDRESS: COUNTRY: USA ZIP: 77210-4433 STATE: CITY: HOUSTON ADDRESSEE: TEXAS E: ARNOLD, WHITE & DURKEE P.O. BOX 4433 NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
207 EP 95870076.7 INNS:004

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Best Local Similarity
Matches 447; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 37,
                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                             STATE: LELL
STATE: USA
COUNTRY: USA
7TP: 77210-4433
7TP: 77210-BLE F
                                                                                                                                                                                                                                                                                                                APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          361
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RESULT 3
US-08-836-075A-31
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ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                      GENERAL INFORMATION:
APPLICANT: MAERTENS,
APPLICANT: STUYVER, L
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: A
                                                                                                                                                                                                                                       Sequence 31, Application US/08836075A Patent No. 6180768
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                                                                                                          NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
COMPUTER READABLE FORM:
             STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
                                                      ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
CITY: HOUSTON
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RESULT 4
US-08-836-075A-33
; Sequence 33, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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APPLICATION NUMBER: PCT/I
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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Best Local Similarity
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REFERENCE/DOCKET NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
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HYPOTHETICAL: N
ANTI-SENSE: NO
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TITLE OF INVENTION: I
TITLE OF INVENTION: I
TITLE OF INVENTION: I
NUMBER OF SEQUENCES:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
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ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
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TOPOLOGY: lin
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Pred. No. 1.9e-110;
4; Mismatches 40;
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PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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US-08-836-075A-29
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION UMBER: EP 94870166.9
PRIOR APPLICATION UMBER: EP 94870166.9
PILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
AND ACCOUNTS OF TOWN APPLICATION DATA:
APPLICATION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
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CTTY: HOUSTON
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
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Pred. No. 1.1e-109;
6; Mismatches 41;
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US-09-878-281A-118
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 118
LENGTH: 574
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: hepatitis
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                TTGTGTGGCGGCTTGTTCTTGGTTGGTTCAGATGTTCTCTTTYCAGCCTCGGCGCCACTGG
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AGTCATGTGGATCTGATGGTAGGTGCCGCTACTGCGTGCTCCGCTCTTTACATCGGAGAC
                                                                                         GTGGCCCTCACTCCCACCGTGGCGGCGCCTTACATCGGCGCTCCGCTTGAATCCCTCCGG
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84.6%;
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Pred. No. 9.3e-98;
4; Mismatches 65;
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RESULT 8
US-09-878-281A-183
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; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-187
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GENERAL INFORMATION:

APPLICANT: Inmogenetics N.V.

TITLE OF INVENTION: New sequences of hepat:
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35

CURRENT APPLICATION NUMBER: US/09/878,281A

CURRENT FILING DATE: 2001-06-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn version 3.1 SEQ ID NO 187
                                                                                                       Sequence 183, Application US/09878281A Patent No. 6762024
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Best Local
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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                                                         of hepatitis C virus genotypes for diagnosis, proph
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                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 185
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-185
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US-09-878-281A-185
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APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                             Sequence 185, Application US/09878281A Patent No. 6762024
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 183
LENGTH: 579
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Best Local
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                                                                                       Score 330.2; DB 3
Pred. No. 3.2e-94;
4; Mismatches 72
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Pred. No. 3.1e-95;
4; Mismatches 70
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 167
SEQ ID NO 167
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-167
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US-09-878-281A-167
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Best Local S
Matches 368
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APPLICANT: Innogenetics N.V.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: New sequences TITLE OF INVENTION: and therapy FILE REFERENCE: 35
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                                                                                                           ATCTTAGCACTTCCAGGTTGCGTGCCCTGCGTGAGAGTGGGGAACCAGTCACGCTGCTGG
                                                                                                                                                            ATCTACCATGTCACCAATGACTGCCCGAATTCAAGCATAGTGTATGAGGCCGACCATCAC
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                                                                                           ATCTTACACCTCCCAGGGTGCGTACCCTGTGTGAGGACTGGGAACCAGTCGCGGTGTTGG
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82.3%;
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                                                                                                                                                                                                                                                                                                    Score 325.4; DB 3;
Pred. No. 1.1e-92;
4; Mismatches 75;
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; CURRENT FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 284
; SOPTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 579
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-169
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US-09-878-281A-169
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Sequence 171, Application
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N
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TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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                                                                                                                       ACTACCCAGGATTGCAATTGTTCCATC
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Pred. No. 3.7e-88;
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; LENGTH: 579
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-173
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US-09-878-281A-173
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                                                                                                                              NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version
SEQ ID NO 173
                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANY: Innogenetics N.V.
APPLICANY: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/878,281A CURRENT FILING DATE: 2001-06-12 NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 171
LENGTH: 579
               Query Match
Best Local Similarity
Matches 352; Conserv
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Best Local Similarity
                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/878, 281A CURRENT FILING DATE: 2001-06-12
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             Score 299.8; DB 3
Pred. No. 1.3e-84;
4; Mismatches 91
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; NAME/KEY: misc feature ; LOCATION: (152)...(152) ; OTHER INFORMATION: "n" is ar US-09-878-281A-181
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US-09-878-281A-181
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 181
LENGTH: 579
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Patent No. 676202
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                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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                                                 ATCTACCATGTCACCAATGACTGCCCGAATTCAAGCATAGTGTATGAGGCCGACCATCAC 180
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 ATCTTAGCACTTCCAGGTTGCGTGCCCTGCGTGAGAGTGGGGGAACCAGTCACGCTGCTGG
                                                                                      GCACTTCTCTCGTGCCTGACTGTCCCGGCCTCGGCTCAGCACTACCGGAATGTCTCGGGC
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US-08-836-075A-39
                                                                   US-08-836-075A-39
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Query Match
Best Local Similarity
Matches 348; Conserv
                                                                                                                                                                                                                                         APPLICATION UNMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION UNMBER: 29,775
REFERENCE/DOCKET NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASC
CURRENT APPLICATION DATA:
                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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                                                                               HYPOTHETICAL:
ANTI-SENSE: 1
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ADDRESSEE: ARNOLD, WHI
STREET: P.O. BOX 4433
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                              TYPE: nucleic acid
                                                                                                                                    TOPOLOGY:
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Score 293.4; DB 3;
Pred. No. 1.2e-82;
4; Mismatches 95;
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                                                                                                                GTGGCCCTTACCCCTACCGTCGCAGCGCCATACACCGCGGCGCCGCTTGAGTCCCTGCGG
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ACTGTCCAAGACTGCAACTGTTCCATC
                  ACTACCCAGGATTGCAATTGTTCCATC 447
                                                 CTCTGCGGGGGTGCCTTCCTAGTGGGGCAGATGTTCACCTTCCAGCCGCGTCGCCACTGG
                                                                          TTGTGTGGCGGCTTGTTTGGTTGGTCAGATGTTCTCTTTYCAGCCTCGGCGCCACTGG
                                                                                                                                                       GTGGCCTTAACACCTACCGTGGCCGCGCCCATACTTTCGGCTCCACTTATGTCCGTACGG
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Search completed: January 11, 2006, 04:37:56
Job time: 112.089 secs

Run on: OM nucleic - nucleic search, using sw model January 11, 2006, 01:42:51; Search time 111.089 Seconds (without alignments) 7152.570 Million cell updates/sec

Title: Perfect score: US-08-836-075B-37

Sequence: gacgggattaattatgcaac.....aggaatgcaattgttccatc 447

Scoring table: Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Issued Patents NA:*

1: /cgn2_6/ptodata/l/ina/l_COMB.seq:*

2: /cgn2_6/ptodata/l/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/l/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/l/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/l/ina/H_COMB.seq:*

6: /cgn2_6/ptodata/l/ina/P_CTUS_COMB.seq:*

7: /cgn2_6/ptodata/l/ina/P_COMB.seq:*

8: /cgn2_6/ptodata/l/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/l/ina/RE_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	80	7	Q	σ	4	ω	2	1	No.	Result
246.6		246.6	270.6	270.6	278.6	291.4	294.6	294.6	301	302.2	305.8	307.4	312.2	315.4	333	333	337.8	339.4	376.2	384.2	387.4	402.6	446.6	Score	
	55.2			•	•	65.2	65.9	65.9		67.6		68.8	•	70.6	74.5	•	75.6	75.9	84.2	86.0		90.1			Ouerv
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43,	43	43. 1	189,	122,	Sequence 179, App	-	175,	120	39,	181	173	171	169	167		183	187	118,		31,	35,	Sequence 29, Appl	Sequence 37, Appl	Description	

45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	0
227.4	230.6	230.6	230.6	232.2	232.2	232.2	233.8	233.8	233.8	233.8	233.8	233.8	233.8	244	244	244	244	244	246.6	0.012
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Sequence 29, Appl	Sequence 13, Appl	Sequence 13, Appl	Sequence 26, Appl	Sequence 5, Appli	Sequence 5, Appli	Sequence 7, Appli	Sequence 17, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 2, Appli	Sequence 19, Appl	Sequence 19, Appl	Sequence 1, Appli	Sequence 42, Appl	Sequence 43, Appl	acduence so, Wind				

ALIGNMENTS

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MOLECULE TYPE: CDNA HYPOTHETICAL: NO	TOPOLOGY: linear	STRANDEDNESS: single	TYPE: nucleic acid	LENGTH: 447 base pairs	SEQUENCE CHARACTERISTICS:	INFORMATION FOR SEQ ID NO: 37:	REFERENCE/DOCKET NUMBER: INNS:004	REGISTRATION NUMBER: 29,775	NAME: KAMMERER, PATRICIA A.	×	FILING DATE: 28 Jun 1995	Z		FILING DATE: ZI OCC 1994	APPLICATION NUMBER: EP 948/0166.9		FILING DATE: 23 Oct 1995	APPLICATION NUMBER: PCT/EP95/04155	PRIOR APPLICATION DATA:	FILING DATE: 21 Apr 1997	APPLICATION NUMBER: US/08/836,075A	P	SOFTWARE: Microsoft Word 6.0 / ASCII text output	OPERATING SYSTEM: PC-DOS/MS-DOS	COMPUTER: IBM PC compatible	MEDIUM TYPE: Floppy disk		\sim	COUNTRY: USA		14	O. BOX 4433	ADDRESSEE: ARNOLD, WHITE & DURKEE	ŝ	R OF SEQUENCES:	OF INVENTION: AGENTS	OF INVENTION: AND THEIR USE AS PROPHYLACT	NVENTION:	STUYVER, I	APPLICANT: MAERTENS, GEERT	GENERAL INFORMATION:	Patent No. 6180768	Semience 37. Application US/08836075A	US-08-836-075A-37	

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Best Local Similarity
Matches 447; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 29, Patent No. 6
                                           SOFTWARE: Microsoft word 6.0 / ASCII CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                           ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                               APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
PRIOR APPLICATION DATA
                                                                                                                                                                                                                                        COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                     ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
CITY: HOUSTON
             APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994
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100.0%; Pred. No. 1.5e-129;
tive 0; Mismatches 0;
                                                                                                                                                              ASCII
                                                                                                                                                             text output
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                                                                                                         Sequence 35, Application US/
Sequence 35, Application US/
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAREFIENS, GEE
APPLICANT: STUYVER, LIEV
TITLE OF INVENTION: NEW
TITLE OF INVENTION: ACEN
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
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   COMPUTER READABLE FORM:
                                                       STREET: P.O. E
                STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
                                                                                             ADDRESSEE:
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P.O. BOX 4433

WHITE

& DURKEE

NEW SEQUENCES OF AND THEIR USE AS AGENTS

HEPATITIS C VIRUS GENOTYPES PROPHYLACTIC, THERAPEUTIC A

AND DIAGNOSTIC

207

LIEVEN

GEERT

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; ANTI-SENSE: US-08-836-075A-29
                            RESULT 3
US-08-836-075A-35
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: line
MOLECULE TYPE: 0
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: EP 95870
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 27,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
TYPE: nucleic acid
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5, Application US/08836075A
6180768
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Pred. No. 8.4e-116;
3; Mismatches 27;
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RESULT 4
US-08-836-075A-31
; Sequence 31, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
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FILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:

APPLICATION UNMBER: EP 958700

FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION UNMBER: 29,775

REFERENCE/DOCKET NUMBER: INNS

INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 406;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 86.7%;
Best Local Similarity 90.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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COMPUTER: II
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US-08-836-075A-31
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Best Local Similarity
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
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ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compactible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
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INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 447 base pairs
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HYPOTHETICAL: N
ANTI-SENSE: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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STATE: TEXAS
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                                                                          GTGGCCCTTACTCCTACCGCTCGCAGCGCCATACATCGGCGCACCGCTTGAGTCTCTGCGG
                                                                                                                                                                                 ATCTTGCACCTTCCAGGATGCGTGCCCTGCGTGAAAGAGGGGAAATCATTCACGCTGCTGG
                      ATCTTGCACCTTCCAGGTTGCGTGCCCTGCGTGAGAACTGGGAATCAGTCACGTTGCTGG
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  AGTCATGTGGATCTGATGGTGGGGGCTGCCACTGTTTGCTCAGCCCTTTTACATCGGGGAT 360
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US-08-836-075A-33
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                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/EP95/04155
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 94870166.9
PRILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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APPLICANT: MAERTER
APPLICANT: STUYVER
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HYPOTHETICAL: N
ANTI-SENSE: NO
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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TITLE OF INVENTION:
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MEDIUM TYPE: Floppy of COMPUTER: IBM PC com
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STREET: F.C.
STREET: HOUSTON
TEXAS
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7TP: 77210-4433
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TOPOLOGY: li
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STUYVER, I
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O. BOX 4433
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AND THEIR USE A
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                                                                                                                                                                                                                                               Score 376.2; DB 3;
Pred. No. 1.5e-107;
1; Mismatches 44;
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 118
SEQ ID NO 118
SEQ ID NO 104
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, prophy
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 118, Application Patent No. 6762024
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                                CTGTGCGGTGGCTTGTTCCTGGTTGGTCAGATGTTCTCTTTTCCGACCACGGCGCCACTGG
                                                                                                                                  GTGGCCCTTACCCCTACCGTCGCAGCGCCATACATCGGCGCGCCACTTGAGTCTCTACGG
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      CTGTGCGGTGGCGTATTCTTGGTTGGTCAGATGTTCTCTTTCCAGCCGCCGCCGCCACTGG
                                                                                            AGTCATGTGGATCTGATGGTAGGTGCCGCTACTGCGTGCTCCGCTCTTTACATCGGAGAC
                                                                                                                                                                                  GTGGCCCTCACTCCCACCGTGGCGGCGCCTTACATCGGCGCTCCGCTTGAATCCCTCCGG
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; Sequence 183, Application US/09878281A
Patent No. 6762024
; GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti;
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
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US-09-878-281A-183
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; ORGANISM: hepatitis C virus
US-09-878-281A-187
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 187
LENGTH: 579
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GENERAL INFORMATION:
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Best Local Similarity 84.6%;
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TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Pred. No. 1.6e-95;
                                                           of hepatitis C virus genotypes for diagnosis,
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Best Local Similarity
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       GCACTTCTCTCGTGCCTGACTGTCCCCCGCTTCGGCCACCAACTACCGCAATGTCTCGGGC
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NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version
SEQ ID NO 183
LENGTH: 579
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                               ACTACCCAGGAATGCAATTGTTCCATC 447
                                                                                                                              CTGTGCGGTGGCTTGTTCCTGGTTGGTCAGATGTTCTCTTTCCGACCACGGCGCCACTGG
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Pred. No. 5.1e-94;
1; Mismatches 71
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Sequence 185, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 185
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-185
1 GACGGGATTAATTATGCAACAGGGAAYCTCCCCGGTTGCTCTTTTTCTATCTTCCTCTTG
                                                                          Conservative
                                                                                          74.5%;
                                                                        Score 333; DB 3;
Pred. No. 5.1e-94;
1; Mismatches 71
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 167
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-167
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US-09-878-281A-167
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Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
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Best Local
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Similarity 81.4%;
64; Conservative
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                                                                                                                         ATCTTGCACCTTCCAGGATGCGTGCCCCTGCGTGAAAGAGGGAAATCATTCACGCTGCTGG
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 AGTCATGTGGATGTGGGGGGCTGCCACTGTTTGTTCAGCCCTTTACATCGGGGAT
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                                              GTGGCCCTCACTCCCACAGTAGCGTCGCCATACGCCGGTGCTCCGCTTGAGCCCCTTGCGG
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hep-
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,28:
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 169
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-169
US-09-878-281A-171
; Sequence 171, Application
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N
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US-09-878-281A-169
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Pred. No. 1.
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 171
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-171
                                                                                                                CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILLING DATE: 2001-06-12

NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 173
SEQ ID NO 173
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-173
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Best Local Similarity
                                           Query Match
Best Local (
                        Matches
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TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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                        Local Similarity hes 358; Conserv
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                                           68.4%;
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                     Score 305.8;
Pred. No. 1.6e
1; Mismatches
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Pred. No. 5.1e-86;
1; Mismatches 87
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                                           6e-85;
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 181
LENGTH: 579
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                               Matches
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TITLE OF INVENTION: and the FILE REFERENCE: 35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: hepatitis C virus
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ATCTTGCACCTTCCAGGATGCGTGCCCTGCGTGAAAGAGGGGAAATCATTCACGCTGCTGG
                                                                                                                                          GCACTTCTCTCGTGCCTGACTGTCCCGGCCTCGGCTCAGCACTACCGGAATGTCTCGGGC
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                                                                                                                                                                                                                                                                                                                               Score 302.2; DB 3;
Pred. No. 2.2e-84;
1; Mismatches 90;
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proph)

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Gaps

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RESULT 15
US-08-836-075A-39
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Query Match 67.:
Best Local Similarity 79.4
Matches 355; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39, Application Patent No. 6180768
                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION
NAME: KAMMERER: PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 39:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                MOLECULE TYPE: C
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 20'
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHI
STREET: P.O. BOX 4433
                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / /
                                                                                                                                      TOPOLOGY:
                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                    LENGTH:
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 Score 301; DB 3; Length 447; Pred. No. 4.7e-84; 1; Mismatches 91; Indels
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Search completed: January 11, 2006, 04:37:57 Job time: 112.089 secs

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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2: /cgn2_6/ptodata/1

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/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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US-09-878-281A-177
US-09-878-281A-187
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US-09-878-281A-189
US-09-878-281A-169
US-09-878-281A-169
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US-09-878-281A-173
US-08-836-075A-31
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                                                                Sequence 39, Appl
Sequence 110, App
Sequence 175, App
Sequence 177, App
Sequence 171, App
Sequence 171, App
Sequence 187, App
Sequence 187, App
Sequence 169, App
Sequence 169, App
Sequence 167, App
Sequence 187, App
Sequence 188, App
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Sequence 31, Appl
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                       TOPOLOGY: 1: MOLECULE TYPE:
HYPOTHETICAL:
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222	223	223	223	223	223	223	223	223	224.6	224.6	224.6	226.2	226.2	226.2	227.8	227.8	227.8	227.8	235	235
49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.2	50.2	50.2	50.6	50.6	50.6	51.0	51.0	51.0	51.0	52.6	52.6
576	501	501	501	501	501	501	501	501	9416	9416	9416	12980	12980	9365	10803	9646	9646	9599	576	576
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Sequence 40, Appl	Sequence 27, Appl	Sequence 2, Appli	Sequence 13, Appl	Sequence 13, Appl	Sequence 26, Appl	Sequence 5, Appli	Sequence 5, Appli	Sequence 7, Appli	Sequence 17, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 2, Appli	Sequence 42, Appl	Sequence 42, Appl						

ALIGNMENTS

APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION NUMBER: EP 94870166.9 PRILING DATE: 21 Oct 1994 PRILING DATE: 21 Oct 1994 PRIOR APPLICATION NUMBER: EP 95870076.7 PRILING DATE: 28 Jun 1995 PATTORNEY/AGENT INFORMATION: NAME: KAMMERER: 29,775 REFERENCE/DOCKET NUMBER: INNS:004 INFORMATION FOR SEQ ID NO: 39: US-08-836-075A-39 ; Sequence 39, Applicat: ; Patent No. 6180768 ; Patent INFORMATION: APPLICANT: MAERIENS, CAPPLICANT: STUYVER, LITILE OF INVENTION: AN TITLE OF INVENTION: AN TITLE OF INVENTION: AN NUMBER OF SEQUENCES: SEQUENCE CHARACTERISTICS: LENGTH: 447 base pairs TYPE: nucleic acid COUNTRY: USA ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA: APPLICATION NUMBER: US CORRESPONDENCE ADDRESS: STATE: TEXAS CITY: HOUSTON ADDRESSEE: 9, Application US/08836075A 6180768 P.O. ARNOLD, WHITE & DURKEE O. BOX 4433 , LIEVEN NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC AGENTS : 207 GEERT

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APPLICANT: Inmogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti:
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/9/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 181
SEQ ID NO 181
SEQ ID NO 181
CURGANISM: hepatitis C virus
FEATURE:
NAME/KEY: misc feature
LOCATION: (152)...(152)
CUELER INFORMATION: "n" is any nucleotide
US-09-878-281A-181
                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-09-878-281A-181
US-09-878-281A Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
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                                              GACGGGATTAACTACGCAACAGGGAATCTTCCTGGTTGCTCTTTCTCTATCTNCCTTCTG
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Pred. No. 8.5e-94;
0; Mismatches 64;
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APPLICANT: Inmogenetics N.V.
FITTLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 120
LENGTH: 574
TYPE: DNA
ORGANISM: hepatitis C virus
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US-09-878-281A-120
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                    CGGCATGTGGATGGTGGGTGCAGCTACCCTATCGTCTGCCCTCTACGTTGGAGAC
                                                                                GTGGCCTTAACACCTACCGTGGCCGCGCCCATACTTTCGGCTCCACTTATGTCCGTACGG
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Pred. No. 3e-85;
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C v.
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 175
LENGTH: 579
RESULT 5
US-09-878-281A-177
; Sequence 177, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
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; ORGANISM: hepatitis C virus
US-09-878-281A-175
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US-09-878-281A-175
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Best Local Similarity 81.7%;
Matches 365; Conservative
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proph)

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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 118
LENGTH: 574
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-118
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US-09-878-281A-118
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; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-177
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APPLICANT: Innogenetics N.V.
APPLICANT: INVESTION: New sequences
TITLE OF INVESTION: and therapy
FILE REFERENCE: 35
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 177
                                                                                                                                                                                                                                                                               Sequence 118, Application Patent No. 6762024
 Matches 357;
                             Query Match
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                Best Local Similarity
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                Score 303; DB 3;
Pred. No. 2.1e-81;
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US-09-878-281A-171
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Best Local S
Matches 356
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis
-09-878-281A-171
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TITLE OF INVENTION: New sequences of hepatitis C
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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Pred. No. 6.5e-81;
0; Mismatches 91;
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TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 187
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US-09-878-281A-187
; Sequence 187, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
RESULT 9
US-08-836-075A-37
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Best Local Similarity
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OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word 6.0 / ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A

FILING DATE: 21 Apr 1997

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UNBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: LUSA
COUNTRY: USA
TTD: 77210-4433
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TITLE OF INVENTION:
TITLE OF INVENTION:
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
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TYPE: nucleic acid
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                                                          GTGGCCTTAACACCTACCGTGGCCGCGCCCATACTTTCGGCTCCACTTATGTCCCGTACGG
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Pred. No. 7.9e-81;
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 122
LENGTH: 574
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
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RESULT 11 US-09-978-281A-169 ; Sequence 169, Application US/09878281A ; Patent No. 6762074

GENERAL INFORMATION

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APPLICANT: Innogenetics N.V.

TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 189
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-189
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TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 169
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
S-09-878-281A-169
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GENERAL INFORMATION:
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Matches 355;
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOPTMARE: PatentIn version 3.1
SEQ ID NO 167
LENGTH: 579
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-167
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Matches 352
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Patent No. 676202
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Pred. No. 5.5e-79;
0; Mismatches 95;
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US-08-836-075A-35
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                                                Matches
                                                                             Query Match
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS(
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                      APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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APPLICANT: STUYVER, I
TITLE OF INVENTION: I
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APPLICATION NUMBER: PCT/BP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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                                                                Local
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                                              Score 293.4; DB 3;
Pred. No. 1.5e-78;
4; Mismatches 95;
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(GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C v.
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 185
LENGTH: 579
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                                                                                                                                                                                                                                                                                                                              Best Local Similarity
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Search completed: January 11, 2006, 04:37:58 Job time : 112.089 secs	520 ACTACGCAGGACTGCAATTGTTCCATC 546	421 ACTGTCCAAGACTGCAACTGTTCCATC 447	460 TTGTGTGGTGGCGTATTCTTGGTTGGTCAGATGTTTTCTTTC	361 CTCTGCGGGGTGCCTTCCTAGTGGGGCAGATGTTCACCTTCCAGCCGCGTCGCCACTGG 420	400 AGACACGTCGACATGATGGTGGGGCGCTGCTACTGTGTGCTCCGCTCTATATTGGGGAC 459	301 CGGCATGTGGATCGTGGTGGGTGCAGCTACCCTATCGTCTGCCCTCTACGTTGGAGAC 360

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/cgn2_6/ptodata/1/ina/H_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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US-09-315-850-9
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ALIGNMENTS

RESULT 1 US-08-836-075A-41 ; Sequence 41, App ; Patent No. 61807

 Application US/08836075A 6180768

GENERAL INFORMATION:

APPLICATION NUMBER: EP 948701
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS INFORMATION FOR SEQ ID NO: COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: APPLICANT: MAERTENS, GEERT
APPLICANT: STUVVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207 STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: CORRESPONDENCE ADDRESS: ADDRESSEE: ARNOLI STREET: P.O. BOX CITY: HOUSTON STATE: TEXAS COUNTRY: USA ZIP: 77210-4433 ARNOLD, WHITE O. BOX 4433 EP 95870076.7 EP 94870166.9 41: & DURKEE INNS:004

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                                                            TGTGGTAGCATAATCTTGGTAGGGCAGCTTTTTACTTTCAGGCCTAAGTACCATCAGGTT
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RESULT 2

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Sequence 43, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MARRIENS, GEERT
APPLICANT: STUYVER, LIEVEN
FITLE OF INVENTION: NEW SEQUENCES OF
FITLE OF INVENTION: AND THEIR USE AS
FITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
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Best Local S
Matches 754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: PCT/EP95/04166.9
FILING DATE: 23 Oct 1994
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
PRIOR APPLICATION NUMBER: 29 J870076.7
PRIOR APPLICATION NUMBER: 29 J870076.7
REPLICATION NUMBER: 29 J870076.7
REGISTRATION NUMBER: 29 J775
REGISTRATION NUMBER: 29 J775
REGISTRATION NUMBER: 29 J775
REGISTRATION NUMBER: 29 J775
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
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CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
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                                                                                                                                                                                                                                               GACGTCAAGTTCCCGGGTGGCGGCCAGATCGTTGGTGGAGTCTACTTGCTGCCGCGCAGG
                       TACCCTTGGCCCCTTTATGGCAACGAGGGCTGCGGATGGGCGGATGGCTCCTGTCCCCC
                                                                                                           AGGCGCCAGCCCATACCAAAGGTACGCCAGCCGACAGGCCGTAGCCTGGGGTCAACCCGGC
                                                                                                                                                               GGCCCGCGCTTGGGTGTGCGCGCGACGAGAAAGACTTCTGAACGGTCCCAGCCCCAGAGGT
                                                                                                                                                                                               GGCCCTCGTTTGGGTGTGCGCGCGACGACGAAAAGACCTCCGAACGGTCCCAGCCCTAGAGGC 180
                                                                                                                                                                                                                                                                                                                                 ATGAGCACACTTCCAAAACCCCCAAAGAAAACCAAAAGAAACACCATCCGCCGCCCACAG
AGGCGCCAACCAATACCCAAAGTGCGCCACCAAACGGGCCGTACCTGGGCCCAGCCCGGG
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78.8%;
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Pred. No. 8.4e-192;
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Patent No. 6180768
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF TITLE OF INVENTION: AND THEIR USE AND THE USE AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 3
US-08-836-075A-47
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE
                                                                                                                                                                                                                                                                                                                           STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
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PROPHYLACTIC,
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FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PAIRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
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Best Local Similarity
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 946
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 956
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HYPOTHETICAL: I
ANTI-SENSE: NO
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           CTGCATCTCCCGGGTTGCGTCCCCTGCGTGAAGACCGGCAACCTGACCAAGTGTTGGCTG
                                            CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC
                                                                                                            TATCATCTAACCAATGACTGCCCCAATAGCAGCATTGTGTATGAGGCGAATGGCATGATC
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APPLICANT: OKAZAMA
APPLICANT: FUKE, I
APPLICANT: MORI, C
APPLICANT: TAKAMIZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 9, Application US/08324977 Patent No. 5747339
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
DBF11CR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
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APPLICATION NUMBER: US/08/324,97
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 30-JUL-1993
PRIOR APPLICATION DATA:
PRIOR TOATTON NUMBER: US 07/769,996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: L/L-
STREET: Washington
STATE: D.C.
TYS.A.
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TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                  APPLICATION NUMBER: US 0: FILING DATE: 02-OCT-1991 PRIOR APPLICATION DATA: APPLICATION NUMBER: US 0: APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2930 TELEFAX: (202) 887-0357
                                                                                                                                                                 FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                             NAME: Stevens-Smith, Theresa M. REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 900703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: ASCII
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MORI, Chisato
TAKAMIZAWA, Akahisa
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Best Local Similarity
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                             ATGCATACTCCTGGGTGCGTGCCCTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA
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Pred. No. 2.9e-162;
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Patent No. 5847101
GENERAL INFORMATION:
                                                                                                   TELEX: 440142
INFORMATION FOR SEQ ID NO:
LENGTH: 1167 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA from ge
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APPLICANT:
APPLICANT:
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SOFTWARE: ASCIION DATA:
CURRENT APPLICATION DATA:
US/08/384,616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
COMPUTER: PC CDOS/MS-DOS, Version
SOFTWARE: ASCII
                                                                                                                                              NAME: Stevens-Smith, Theresa M. REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 9007031
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                  APPLICATION NUMBER: US 0
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2.
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APPLICATION NUMBER: US 07/769,9:
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: JP 2-167466
                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 424
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CITY: Washington
STATE: D.C.
                                                                                                                                 TELEFAX:
                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 31-AUG-1990
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MORI, Chisato
TAKAMIZAWA, Akahisa
                                                                                                                                 (202) 887-0357
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28-DEC-1990
cDNA from genomic
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Best Local Similarity
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LOCATION: 1..1167
OTHER INFORMATION: /note
OTHER INFORMATION: SEQ I
FEATURE:
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LOCATION:
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                                                                                 CACGTAGACCTCCTCGTTGGGGCAGCGGCATTTTGTTCGGCCATGTACATCGGAGACCTC
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                                                                                                                                                                  CCTGTCTCCCCACCTTAGCCGTCCCCAACTCATCAGTGCCAATCCACGGGTTTCGCCGA 780
                                                                                                                                                                                                   ATGCATACTCCTGGGTGCCCTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA
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                                 TGTGGTAGCATAATCTTGGTAGGGCAGCTTTTTACTTTCAGGCCTAAGTACCATCAGGTT
                                                                                                                                  GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC
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73.2%;
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Pred. No. 2.9e-162;
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RESULT 6
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APPLICANT: OKAYAMA
APPLICANT: FUKE, I
APPLICANT: MORI, C
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                                                                                                                                                                                                                                                                                                         APPLICATION UNMER: US/08/904,686A
FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION UNMER: UP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION UNMER: UP 2-30921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION NUMBER: UP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/635,451
                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 900
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/904,686A
FILING DATE: 01-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 50
                                                                              OLECULE TYPE:
                                                                                                  LENGTH: 1167 base p
TYPE: nucleic acid
STRANDEDNESS: singl
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                             NAME: McLeland, Le-Nhung REGISTRATION NUMBER: 31,
NAME/KEY: misc_featoCATION: 1..1167
OTHER INFORMATION:
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MORI, Chisato
TAKAMIZAWA, Akahisa
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                      misc_feature
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; NAME/KEY:
; LOCATION:
US-08-904-686A-9
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Best Local Similarity 73.3
Matches 700; Conservative
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                        ACCCAGGATTGTAACTGCTCTATNAACNCTGGCCACGTCACGGGACACAGGATGGC 956
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Pred. No. 2.9e-162;
O; Mismatches 256;
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RESULT 7
US-09-315-850-9
                                                                                                                                                                                                                        NAME: McLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 9007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 859-2930
TELEPEAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 9, Application US/09315850
Patent No. 6217872
GENERAL INFORMATION:
APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC COmpatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/315,850
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/904,686
FILING DATE: 01-AUG-1997
APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION DATA: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: JF 2-3(
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/0
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 07/0
FILING DATE: 02-CCT-1991
PRIOR APPLICATION DATA:
PEATURE:
NAME/KEY: misc_feature
LOCATION: 1..1167
OTHER INFORMATION: /note
OTHER INFORMATION: SEQ I
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APPLICATION NUMBER:
FILING DATE: 31-AUG-
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 50
                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: McLeland, Le-Nhung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                    TOPOLOGY: 1: NOLECULE TYPE:
                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/635,451 FILING DATE: 28-DEC-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: JP 2-167466 FILING DATE: 25-JUN-1990
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CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
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linear
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MORI, Chisato
TAKAMIZAWA, Akahisa
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                                                                                                  cDNA from
  /note: "sequence = 333 - SEQ ID NO: 1"
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Best Local Similarity
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                        ACCCAGGATTGTAACTGCTCTATNAACNCTGGCCACGTCACGGGACACAGGATGGC 956
                                                                                                                                                         CACGIAGACCICCICGITGGGGCAGCGGCATTITGTTCGGCCATGIACATCGGAGACCIC
                                                                                                                                                                                                                               CCTGTCTCCCCCACCTTAGCCGTCCCCAACTCATCAGTGCCAATCCACGGGTTTCGCCGA 780
                                                                                                                                                                                                                                                               ATGCATACTCCTGGGTGCCTGCCTTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA
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TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC
                                                                                                                                                                                              GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC
                                                                                                                                                                                                                                                                                              CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC 720
                                                                                                                                                                                                                                                                                                                                                    TACCATCTTACCAATGACTGCTCGAACAACAGCATCGTTTTTGAGGGGGGAGACACCATGATA 660
                                                                                                                                                                                                                                                                                                                                                                                               CTGCTGTCCTGCCTGACCACCCCAGCTTCCGCTTACGAAGTGCACAACGTGTCCGGGATA
                                                                                                                                                                                                                                                                                                                                                                                                                    CTGTTATCGTGCCTCACTACACCAGCCAGCCTCAGCAATTCAAGTCAAGAACGCCTCTGGGATC
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                                                                                             TGTGGTAGCATAATCTTGGTAGGGCAGCTTTTTACTTTCAGGCCTAAGTACCATCAGGTT
                                                                                                                               CACGICGATCIGCICGITIGGGGCGGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC
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                                                              TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA
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RESULT 8
US-08-324-977-3
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..1499
; OTHER INFORMATION: /not
; OTHER INFORMATION: ID 1
US-08-324-977-3
                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 900703D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEFAX: (202) 887-0357
TELEFX: 440142
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
SOFTMARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-UNU-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 007/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/769,996
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Stevens-Smith, Theresa M.
REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 36,000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Applicati Patent No. 5747339
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: PUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akah
APPLICANT: YOSHIDA, Iwao
                                                                                                                                                                                              MOLECULE TYPE: cDNA from genomic RNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1725 K St
CITY: Washington
STATE: D.C.
                                                                                                                                              NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                LENGTH: 1499 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                            TOPOLOGY: linear
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MORI, Chisato
TAKAMIZAWA, Akahisa
                                                                                                                                              CDS
333..1499
                      /note= "sequence = 1 -
ID NO: 1"
                                                1499 of SEQ
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Qy Db	Qу	D Qy	da Vo	D Q	D Q	D Q	Db Qy	Db Qy	Db Qy	D Qy	Oy db	D Q	ОУ	D Q	Ωy	Query Ma Best Loc Matches
901 ACCCAGGATTGTAACTGCTCTATNAACNCTGGCCACGTCACGGGACACAGGATGGC 956	841 TGTGGTAGCATAATCTTGGTAGGGCAGCTTTTTACTTTCAGGCCTAAGTACCATCAGGTT 900	GAGACCTC 8	721 CCTGTCTCCCCACCTTAGCCGTCCCCAACTCATCAGTGCCAATCCACGGGTTTCGCCGA 780	661 CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC 720	601 TACCATCTTACCAATGACTGCTCGAACAACAGCATCGTTTTTGAGGCGGAGACCATGATA 660	541 CTGTTATCGTGCCTCACTACACCAGCCTCAGCAATTCAAGTCAAGAACGCCTCTGGGATC 600	481 GGGGTCAATTACGCAACAGGGAATCTTCCTGGTTGCTCCTTTTCTATCTTCCTCTTAGCA 540	421 GGAGGGCCGCTTGGCGGCTTGCGGCTGCCCTGGCGCATGGCGTTAGGGCAATCGAGGAC 480	361 AAGGTCATCGATACCCTTACATNCGGNCTAGCCGACCTCATGGGGTACATCCCTGTCCTA 420	301 CGCGGGTCTCGTCCTAATTGGGGCCCCAACGACCCCCGGCGAAGGTCCCGCAACCTTGGGT 360	241 TACCCTTGGCCCCTTTATGGCAACGACGGCTGCGGATGGGCGGGATGGCTCCTGTCCCCC 300	181 AGGCGCCAGCCCATACCAAAGGTACGCCAGCCGACAGGCCGTAGCTGGGGTCAACCCGGC 240	121 GGCCCTCGTTTGGGTGTGCGCGCGACGAGAAAGACCTCCGAACGGTCCCAGCCTAGAGGC 180	61 GACGTCAAGTTCCCGGGCGGCGGCCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCGAGG 120	1 ATGAGCACACTTCCAAAACCCCAAAGAAAAACCAAAAGAAATACTAACCGTCGCCCTATG 60	y Match 57.3%; Score 548.8; DB 2; Length 1499; Local Similarity 73.2%; Pred. No. 3.3e-162; hes 700; Conservative 0; Mismatches 256; Indels 0; Gaps 0;

RESULT 9 US-08-384-616-3

Sequence 3, Application US/08384616 Patent No. 5847101

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                                                                                              Matches
                                                                                                                              Query Match
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APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION NUMBER: JF 2-230921
APPLICATION NUMBER: JF 2-230921
FILING DATE: 31-AUG-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Stevens-Smith, Theresa M.
REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 9007031
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
                                                                                                                                                                                                                                     FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                TOPOLOGY: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                  NAME/KEY: misc_feature LOCATION: 1..1499
OTHER INFORMATION: /not OTHER INFORMATION: ID N
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: JP 2 FILING DATE: 09-NOV-1990
                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM:
SOFTWARE: ASCII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton
                                                                                                                                                                                                                                                                                            NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                                                                                                                                                                                                             LOCATION:
                      333
                                                                                          700;
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                                                                                                             Similarity
                      ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
                                         ATGAGCACACTTCCAAAACCCCAAAGAAAAACCAAAAGAAATACTAACCGTCGCCCTATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IBM PC compatible
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MORI, Chisato
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linear
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73.2%;
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                                                                                                                                                                                    /note= "sequence = 1 -
ID NO: 1"
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                                                                                          Score 548.8; DB 2;
Pred. No. 3.3e-162;
0; Mismatches 256;
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                                                                                                                          Length
                                                                                                                              1499;
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US-08-904-686A-3
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                                                                                                         Sequence 3, Application Patent No. 5998130
GENERAL INFORMATION:
APPLICANT: OKAYAM
APPLICANT: FUKE, ISAO
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
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                                                                                                                                                                                                                                                          TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC 1288
                                                                                                                                                                                                                                                                                      ACCCAGGATTGTAACTGCTCTATNAACNCTGGCCACGTCACGGGACACAGGATGGC 956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC
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                                                                                                                                                                 Application US/08904686A
                                                                                                                                                                                                                                                                                                                                                                                                                                       CACGTAGACCTCCTCGTTGGGGCAGCGGCATTTTGTTCGGCCATGTACATCGGAGACCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC
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                                                                                                               OKAYAMA, Hiroto
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REFERENCE/DOCKET NUMBER: 9007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENCTH: 1499 base pairs
                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                              PILING DATE: 30-JUL-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/ACENT INFORMATION:
NAME: MCLeland, Le-Nhung
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong, Westerman, Hattori,
ADDRESSEE: Naughton
STREET: 1725 K St. N.W. Suite 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 09-NOV-PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/904,686A FILING DATE: 01-AUG-1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/324,977 FILING DATE: 18-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                               FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                         TOPOLOGY: li
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                                                                                                    Local Sir
hes 700;
                                                                                                                                                                 NAME/KEY: misc_feature
LOCATION: 1..1499
OTHER INFORMATION: /not
OTHER INFORMATION: ID 1
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CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                LENGTH: 1499 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                  LOCATION:
393
                                                  333
                       61
                                                                                                                Similarity
                 GACGTCAAGTTCCCGGGCGGCGGCCAGATCGTTGGTGGAGTTTTACTTGTTGCCGCGCAGG
                                                ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCCCACAG
                                                                   ATGAGCACACTTCCAAAACCCCAAAAGAAAAAACCAAAAAGAAATACTAACCGTCGCCCTATG
                                                                                                     Conservative
                                                                                                                                                                                                                                  CDS
333..1499
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS, Version 5.0
                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                           cDNA from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-NOV-1990
                                                                                                                57.3%;
                                                                                                                                                                    /note= "sequence = 1 - ID NO: 1"
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                                                                                                    0;
                                                                                                  Score 548.8; DB 2;
Pred. No. 3.3e-162;
0; Mismatches 256;
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                                                                                                    Indels
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                                                                                                                                                                    US-09-315-850-3
                                                                                                                                        Sequence 3, Application Patent No. 6217872
                                   APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Aka
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A,
TITLE OF INVENTION: CDNA A
                                                                                                                               GENERAL INFORMATION:
          CORRESPONDENCE ADDRESS
                       NUMBER OF SEQUENCES:
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                                                                         FUKE, Isao
MORI, Chisato
TAKAMIZAWA, Akahisa
                                                                                                                OKAYAMA, Hiroto
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ADDRESSEE:
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                                                                  NON-A, NON-B HEPATITIS VIRUS CDNA AND ANTIGEN POLYPEPTIDE : 50
Westerman, Hattori, McLeland
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                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                         Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-UUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-CCT-1991
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PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
1 2-305605
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CURRENT APPLICATION NUMBER: US/09/315,850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
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APPLICATION NUMBER: 1
                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: 1..1499
OTHER INFORMATION: /note= "sequence = 1 -
OTHER INFORMATION: ID NO: 1"
                                                                                                                                                                                                                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 90
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SOFTWARE: ASCII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Washington STATE: D.C.
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STREET: 1725 K St. N.W. Suite 1000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 01-AUG-1997
APPLICATION NUMBER: US 08/324,977
 393
                                                                   333 ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG 392
                                                                                                                                       700; Conservative
                                61 GACGTCAAGTTCCCGGGCGGCGGCCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGG 120
                                                                                                     1 ATGAGCACACTTCCAAAACCCCAAAGAAAAACCAAAAGAAATACTAACCGTCGCCCTATG 60
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                                                                                                                                    Score 548.8; DB 3; Pred. No. 3.3e-162; 0; Mismatches 256;
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US-08-324-977-11
                                                                                                                                                                                       Sequence 11, Application US/08324977 Patent No. 5747339
                                                                                                                                                                        GENERAL INFORMATION:
                                             APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                              APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAMA, Akahisa
                CORRESPONDENCE ADDRESS:
                                  NUMBER OF SEQUENCES:
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Armstrong, Naughton

Westerman, Hattori, McLeland &

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GENOMIC

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US-08-324-977-11
                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                   Matches 700;
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Stevens-Smith, Theres REGISTRATION NUMBER: 36,281 REFERENCE/DOCKET NUMBER: 90 TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2330
                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 07/635,451 FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: JP 2-167466
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CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
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CITY: W
STATE:
                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature LOCATION: 1..6039
OTHER INFORMATION: /not
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                                                                                                                                                                                                                                                               OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                          LENGTH: 6039 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
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ZIP: 20006
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SEQ ID NO:
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Pred. No. 7.1e-162;
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US-08-384-616-11
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APPLICANT:
APPLICANT:
APPLICANT:
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                                 ADDRESSEE: Alm...
ADDRESSEE: Naughton
ADDRESSEE: 1725 K St. N
                                                                                CORRESPONDENCE ADDRESS:
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Sequence 11, Application US/08384616
                                                                                                                                                                                                                                                                        APPLICANT: YOSHIDA, IWAO TITLE OF INVENTION: NON-FTITLE OF INVENTION: CDNA NUMBER OF SEQUENCES: 50
STREET: 1725 K St. CITY: Washington STATE: D.C. COUNTRY: U.S.A. ZIP: 20006
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MORI, Chisato
TAKAMIZAWA, Akahisa
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                                                                                                                                           N.W. Suite 1000
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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PILITURE TARREST
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-
FILING DATE: 09-NOV-1990
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APPLICATION NUMBER: 1
FILING DATE: 02-OCT-
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APPLICATION NUMBER: US/08/384,616
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 1..6039
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Stevens-Smith, Theresa M. REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 900703B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Version
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TYPE: Diskett
     CGCGGGTCTCGTCCTAATTGGGGCCCCAACGACCCCCGGCGAAGGTCCCGCAACTTGGGT
                                                                             TACCCTTGGCCCCTTTATGGCAACGAGGGCTGCGGATGGGCGGGATGGCTCCTGTCCCCC
                                                                                                                    AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG
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SEQ ID
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Pred. No. 7.1e-162;
0; Mismatches 256;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44M
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Ver
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/904,686A
FILING DATE: 01-AUG-1997
                                                                                                                                                                                                                                                                                                                      APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-B, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
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APPLICANT: FUKE,
                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: MORI,
                                                                                                                                                                                      STREET: 1725 K Street: Washington STATE: D.C.
                                                                                                                                                   COUNTRY: U
ZIP: 20006
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STREET: 1725 K St.
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REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 9007/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEPHONE: (202) 687-0357
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 6039 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local :
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APPLICATION NUMBER: JP 2-
FILING DATE:
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FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
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FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
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LOCATION:
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nes 700; Conservative
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OTHER INFORMATION: /not OTHER INFORMATION: SEQ
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CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGT
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SEQ ID
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Pred. No. 7.1e-162;
0; Mismatches 256;
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NO: 1"
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                                            Sequence 11, Applicat Patent No. 6217872 GENERAL INFORMATION:
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APPLICANT:
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                                 OKAYAMA, Hiroto
Isao
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APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50 COMPUTER: OPERATING SYSTEM: PC-DOS/PID-LUC,
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA: FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible CORRESPONDENCE ADDRESS: STREET: 1725 K St CITY: Washington STATE: D.C. COUNTRY: U ZIP: 20006 ADDRESSEE: ADDRESSEE: FILING DATE: 1725 K St. U.S.A. Naughton Armstrong, Westerman, Hattori, 01-AUG-1997 N.W. US/08/904,686 Suite 1000 Version 5.0 McLeland GENOMIC

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; LOCATION:
US-09-315-850-11
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FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION UNMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: MCLEJAND, LE-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 900703G
TELECOMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEPHONE: (202) 897-0357
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 6039 base pairs
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Best Local Similarity
Matches 700; Conserv
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OTHER INFORMATION: /note:
OTHER INFORMATION: SEQ ID
FEATURE:
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FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-
FILING DATE: 09-NOV-1990
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APPLICATION NUMBER:
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TYPE: nucleic acid
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361 AAGGTCATCGATACCCTTACATNCGGNCTAGCCGACCTCATGGGGTACATCCCTGTCCTA 420
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                                                              CGCGGGTCTCGTCCTAATTGGGGCCCCAACGACCCCCGGCGAAGGTCCCCGCAACTTGGGT 360
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                                   CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGT
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73.2%;
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SEQ ID NO: 1"
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901 TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGGTCACCGTATGGC 956	Db
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901 ACCCAGGATTGTAACTGCTCTATNAACNCTGGCCACGTCACGGGACACAGGATGGC 956	o O
841 TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA 900	DЬ
841 TGTGGTAGCATAATCTTGGTAGGGCAGCTTTTTACTTTCAGGCCTAAGTACCATCAGGTT 900	δ
781 CACGTCGATCTGCTCGTTGGGGGGGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC 840	Db
781 CACGTAGACCTCCTTCGTTGGGGCAGCGGCATTTTGTTCGGCCATGTACATCGGAGACCTC 840	γQ
721 GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC 780	DЬ
721 CCTGTCTCCCCCACCTTAGCCGTCCCCAACTCATCAGTGCCAATCCACGGGTTTTCGCCGA 780	γ
661 ATGCATACTCCTGGGTGCCTGCCTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA 720	Вb
661 CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC 720	γQ
601 TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC 660	DЬ
601 TACCATCTTACCAATGACTGCTCGAACAACAGCATCGTTTTTGAGGCGGAGACCATGATA 660	γQ
541 CTGCTGTCCTGCCTGACCACCCCAGCTTCCGCTTACGAAGTGCACAACGTGTCCGGGATA 600	Db
541 CTGTTATCGTGCCTCACTACACCAGCCTCAGCAATTCAAGTCAAGAACGCCTCTGGGATC 600	γ
481 GGGTGAACTATGCAACAGGGAATCTGCCCGGTTGCTCTTTTTCTATCTTCCTCTTGGCT 540	DЬ
481 GGGGTCAATTACGCAACAGGGAATCTTCCTTGGTTGCTCCTTTTCTATCTTTCCTCTCTTAGCA 540	γ0
421 GGCGCCCCCTGGGGGGCGCTGCCAGGGCCCTGGCACATGGTGTCCCGGGTTCTGGAGGAC 480	DЬ
421 GGAGGGCCGCTTGGCGGCTTGCCGCCTGGCGCATGGCGTTAGGGCAATCGAGGAC 480	γQ
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Search completed: January 11, 2006, 10:56:21 Job time: 234.737 secs

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Maximum Match 100%
Listing first 45 summaries
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re greater than or equal to the score of the result being printed,
is derived by analysis of the total score distribution.
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1: /cgn2 6/ptodata/1

2: /cgn2 6/ptodata/1

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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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US-08-836-075A-47
US-08-836-075A-41
US-08-324-977-9
US-08-324-977-3
US-08-324-977-3
US-08-324-977-11
US-08-384-616-3
US-08-384-616-11
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US-10-259-275-39 US-08-836-075A-11	US-09-539-601-31	US-09-539-601-25	US-09-539-601-19	US-09-539-601-1	US-09-014-416-6	US-09-014-416-4	US-09-127-829-3	US-08-636-883-3	US-08-462-195-3	US-08-191-160-21	US-08-150-204E-96	US-08-470-426B-14	US-08-470-426B-17	US-09-127-829-1	US-08-636-883-1	US-08-462-195-1	US-08-928-757-49	US-08-927-597-49	US-08-612-973-49	
Sequence 39			19,	Sequence 1,	Sequence 6, i	Sequence 4, 1	ω	Sequence 3, Appl.	ω	Sequence 21, Appl	_ `	14	17	Sequence 1, A	Sequence 1, A	Sequence 1, A	49	49	Sequence 49,	

ALIGNMENTS

CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/ACENT INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: INNS:004 INFORMATION FOR SEQ ID NO: 43: US-08-836-075A-43 Sequence 43, Applicat Patent No. 6180768 GENERAL INFORMATION: APPLICANT: MAERTENS, C APPLICANT: STUYVER, LI TITLE OF INVENTION: NE TITLE OF INVENTION: AN TITLE OF INVENTION: AC COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: STATE: TEXAS COUNTRY: USA ZIP: 77210-4433 ADDRESSEE: HOUSTON 3, Application US/08836075A 6180768 P.O. ARNOLD, WHITE O. BOX 4433 S, GEERT , LIEVEN , NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC AGENTS 207 US/08/836,075A & DURKEE

SEQUENCE CHARACTERISTICS: LENGTH: 957 base pairs TYPE: nucleic acid

STRANDEDNESS: single

linear

TOPOLOGY: 1: MOLECULE TYPE:

HYPOTHETICAL:

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Best Local Similarity 100.0%; Pred. No. 1.1
Matches 957; Conservative 0; Mismatches
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                                              GGCCCGCGCTTGGGTGTGCGCGCGACGAGAAAGACTTCTGAACGGTCCCAGCCCAGAGGT 180
              GTCCAGGAGTGTAACTGTTCCATCTACACAGGGCATATCACTGGACACCGAATGGCA 957
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COMPUTER: MICROSOFT WORD 6.0 / ASCII
SOFTWARE: MICROSOFT WORD 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 OCT 1995
PRIOR APPLICATION NUMBER: PCT/EP95/04155
PRIOR APPLICATION NUMBER: EP 94870166.9
PILING DATE: 23 OCT 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 21 ADATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGEISTRATION NUMBER: 1995
ATTORNEY/AGENT ON NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1995
ATTORNEY/AGENT ON NUMBER: 1995
ATTOR
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INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
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CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
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CORRESPONDENCE ADDRESS:
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TACCCCTGGCCCCTTTATGGGAACGAGGCTGCGGCTGGGCGGGGGTGGCTCTTGTCCCCC
                                       AGGCGCCAACCAATACCCAAGGTGCGCCAGAACCAAGGCCGAACCTGGGCTCAGCCTGGG
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81.6%;
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AND THEIR USE
AGENTS
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Pred. No. 1.7e-194;
3; Mismatches 173;
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RESULT 3
US-08-836-075A-41
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                       STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                      COUNTRY:
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INFORMATION FOR SEQ ID NO: 41
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 754; Conserv
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PRIOR APPLICATION NUMBER: EP 948701
APPLICATION NUMBER: EP 948701
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958700
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
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HYPOTHETICAL: N
ANTI-SENSE: NO
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                              TTGCACTTGCCTGGGTGTGACCTTGTGTGAAGRTGRACAATCAATCCCCGGTGCTGGGTG
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     CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC
                                                                              TACCATCTTACCAATGACTGCTCGAACAACAGCATCGTTTTTGAGGCGGAGACCATGATA
                                                                                                   TACCATCTCACCAACGACTGCCCCAACAGCAGCATCGTTTATGAGGCGGAGACACTGATT
                                                                                                                                                  CTGTTATCGTGCCTCACTACACCAGCCTCAGCAATTCAAGTCAAGAACGCCTCTGGGATC
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                                                                                                                                                                                      CTTCTCTCGTGCCTTACAACACCAGCCTCCGCGCGCGCATTATACCAACAAGTCTGGCCTG
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Pred. No. 1.1e-181;
2; Mismatches 201;
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US-08-324-977-9
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Patent No. 5747339
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
PRIOR APPLICATION NUMBER: JP 2-305605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: OKAYAMA, TATALON APPLICANT: FUKE, ISAO
APPLICANT: FUKE, ISAO
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: VOSHIDA, IWAO
TITLE OF INVENTION: CON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
TITLE OF SEQUENCES: 50
                                                                                                                                                                                                                                                                 PRIOR DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
PAPLICATION NUMBER: US 08
PTI.THE TARES
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MEDIUM TYPE: Diskett
COMPUTER: IBM PC com
                                                                                                          FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION: NAME: Stevens-Smith, The
                                                                                                                                                                             APPLICATION NUMBER: 1
FILING DATE: 02-OCT-
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                   FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
                                  REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 1725 K St
CITY: Washington
STATE: D.C.
TELEPHONE: (20:
TELEFAX: (202)
TELEX: 440142
                                                                                   NAME: Stevens-Smith, Theres REGISTRATION NUMBER: 36,281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM:
SOFTWARE: ASCII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
                                                                                                                                                              APPLICATION NUMBER:
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                                                                                                                                                                                                      02-OCT-1991
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                                                                                                                                                                  US 07/635,451
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LOCATION: 1..1167
OTHER INFORMATION: /note
OTHER INFORMATION: SEQ I
FEATURE:
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                      GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACGACGACGATACGACGC 780
                                                     CAGGCCTCCCGACCCTGGCAGTGCCGAACGCGTTTACGCCAGTCACCGGGTTCCGCAAA 780
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Pred. No. 1.2e-158;
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Sequence 9, Application
Patent No. 5847101
Patent No. 5847101
GENERAL INFORMATION:
APPLICANT: FUKE, It
APPLICANT: MORI, Cl
APPLICANT: TAKAMIZ
APPLICANT: TAKAMIZ
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US-08-384-616-9
                                                                                                         INFORMATION FOR SEQ ID NO:
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SOFTWARE: ASCII
CURRENT APPLICATION DATA:
US/08/384,616
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MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
SOFTWARE: ASCII
 MOLECULE TYPE:
                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pairs
                                                                                                                                                          NAME: Stevens-Smith, Theres
REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 0: FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
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APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
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APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-CCT-1991
APPLICATION NUMBER: JP 2-167466
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TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
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CLASSIFICATION:
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CITY: Washington
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TAKAMIZAWA, Akahisa
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OTHER INFORMATION:
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SEQ ID NO: 1"
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Pred. No. 1.2e-158;
2; Mismatches 247;
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                                                                                                                                                                                                                                   TELEFAX: (202) 887-0357 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20006
COMPUTER READAB:
MEDIUM TYPE:
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FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2.
FILING DATE: 09-NOV-1990
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STREET: Washington
CITY: Washington
CTATE: D.C.
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APPLICATION NUMBER: US
FILING DATE: 01-AUG-19
PRIOR APPLICATION DATA:
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TITLE OF INVENTION: UNON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
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                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                 NAME: MCLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 07/635,451 FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: 1
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PRIOR APPLICATION DATA:
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                                                                                        MOLECULE TYPE:
                                                                       FEATURE:
NAME/KEY: misc_feature LOCATION: 1..1167
OTHER INFORMATION: /no
                                                                                                                                                                                                                                                        TELEPHONE: (202) 659-2930 TELEFAX: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 0' FILING DATE: 02-OCT-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: JP 2. FILING DATE: 25-JUN-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Version CORTUNATOR ASSETTATION OF THE PROPERTY OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Armstrong, Westerman, Hattori, McLeland ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
                                                                                                                     TOPOLOGY:
                                                                                                                                     STRANDEDNESS:
                                                                                                                                                                                   LENGTH:
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MORI, Chisato
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LOCATION:
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       TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC
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                                                                                               TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA
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Pred. No. 1.2e-158;
2; Mismatches 247;
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RESULT 7
US-09-315-850-9
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Patent No. 6217872
GENERAL INFORMATION:
APPLICANT: OKAYAMA, Hiroto
                                                                                                                                                                            TELEFAX: (202) 887-0357 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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APPLICANT:
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                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                         FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: 1
FILING DATE: 01-AUG-
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APPLICATION NUMBER: US/09/315,850
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MEDIUM TYPE: Diskett
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APPLICATION NUMBER: JP 2-305605
                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                           ELECTRIC (202)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
NAME/KEY: misc_feature LOCATION: 1..1167
OTHER INFORMATION: /not OTHER INFORMATION: SEQ
                                                                                                                                                                                                                                                                                      NAME: McLeland, Le-Nh
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
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                                                                                                         TOPOLOGY:
                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
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                                                                                                                                         LENGTH: 1167 base pairs
TYPE: nucleic acid
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MORI, Chisato
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/note: "sequence
SEQ ID NO: 1"
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                                                                                                                                                                                                                                                    ATGCATACTCCTGGGTGCGTGCCTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA
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TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC
                            GTCCAGGAGTGTAACTGTTCCATCTACACAGGGCATATCACTGGACACCGAATGGC
                                                                                                                                                  TTGCACTTGCCTGGGTGTGTACCTTGTGTGAAGRTGRACAATCAATCCAGTGCTGGGTG 720
                                                                                                                                                                                                                                                                                                                                        TACCATCTCACCAACGACTGCCCCCAACAGCAGCATCGTTTATGAGGCGGAGACACTGATT
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                                                                                         TGCGGGGGCCTTTTCCTCGTTGGACAGCTCTTCACGCTCAGGCCTCGGATGCATCAGGTT 900
                                                                                                                        CACGTCGATCTGCTCGTTGGGGCGGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC
                                                                                                                                                                                                                                                                                                                 TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC
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                                                           TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA
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74.0%;
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; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..1499
; OTHER INFORMATION: /note= "sequence = 1 - 1499 of SEQ
; OTHER INFORMATION: ID NO: 1"
US-08-324-977-3
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US-08-324-977-3
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SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION UNMER: UP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION UNMER: UP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION UNMER: UP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NOMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 07/635,451
APPLICATION UNMER: US 07/635,451
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 07/635,451
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 07/635,451
PRIOR APPLICATION UNMER: US 07/635,451
PRIOR APPLICATION UNMER: US 07/635,451
APPLICATION UNMER: US 07/635,451
PRIOR APPLICATION UNMER: US 07/635,451
APPLICAT
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NAME/KEY:
LOCATION:
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MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: FUKE, ISAO
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
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                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
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CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
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dg VQ	Db Qy	Оу Оъ	D Qy	Оγ	D Qy	Qy dd	Qу	Qy db	dg VQ	Qу Db	Qy	Db Oy	Дb	d dy	Db Qy	Query Ma Best Loo Matches
901 GTCCAGGAGTGTAACTGTTCCATCTACACAGGGCATATCACTGGACACCGAATGGC 956 	841 TGCGGGGGCCTTTTCCTCGTTGGACAGCTCTTCACGCTCAGGCCTCGGATGCATCAGGTT 900	⊢ 8	721 CAGGCCTCCCCGACCCTGGCAGTGCCGAACGCGTCTACGCCAGTCACCGGGTTCCGGCAAA 780	661 TIGCACTIGCCIGGGIGTGCACCTIGIGIGAAGRIGRACAAICAAICCCGGIGCIGGGIG 720	601 TACCATCTCACCAACGACTGCCCCAACAGCATCGTTTATGAGGCGGAGACACTGATT 660	541 CTTCTCTCGTGCCTTACAACACCAGCCTCCGCGGGGCATTATACCAACAAGTCTGGCCTG 600	481 GGNGTAAATTACGCAACAGNGAATCTTCCCGGNNGCTCTNTCTCTATCTTNCTCTTGGCA 540	421 GGCGCTCCGWTGGGAGGCGTCGCGGNGGCCTTGGCGCATGGGGTCANGGNCATCGAGGAC 480	361 AAAGTCATCGACACCCTTACTTGCGGCCTTCGCCGACCTCATGGGGTATATCCCTGTCGTA 420	301 CGCGGCTCTCGCCCAAATTGGGGCCCAAACGACCCCCGGCGAAGGTCCCGCAACTTGGGT 360	241 TACCCCTGGCCTCTTTATGGAAATGAGGGCTGTGGTTGGGCAGGCTGGCT	181 AGGCGCCAACCAATACCCAAAGTGCGCCACCAAACGGGCCGTACCTGGGCCCAGCCCGGG 240	121 GGCCCGCGCTTGGGTGTGCGCGCGACGAGAAAGACTTCTGAACGGTCCCAGCCCAGAGGT 180	61 GACGTCAAGTTCCCGGGTGGCGGCCAGATCGTTGGTGGAGTCTACTTGCTGCCGCGCAGG 120	1 ATGAGCACACTTCCAAAACCCCAAAGAAAAACCAAAAGAAAACACCATCCGCCGACAG 60 	Y Match 59.1%; Score 565.4; DB 2; Length 1499; Local Similarity 74.0%; Pred. No. 1.4e-158; hes 707; Conservative 2; Mismatches 247; Indels 0; Gaps 0;

RESULT 9 US-08-384-616-3 ; Sequence 3, Application US/08384616 ; Patent No. 5847101

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                                                                                        US-08-384-616-3
                                            Matches
                                                                Query Match
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APPLICANT: OKAYAMA
APPLICANT: FUKE, I
APPLICANT: MORI, C
                                                                                                                                                                                                                                               TELEX: 440142
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: FUKE, ISAO
APPLICANT: MORIA, Chisato
APPLICANT: MORIA, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: MON-A, NON-B HEPATITIS VIRU
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTII
                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                           NAME: Stevens-Smith, Theres:
REGISTRATION NUMBER: 36,281
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2330
                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 07 FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
COMPUTER: IBM PC com
                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
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                                                                                                                                                                                           MOLECULE TYPE:
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STATE:
                                                                                                  NAME/KEY: misc feature LOCATION: 1..1499
OTHER INFORMATION: /not OTHER INFORMATION: ID N
                                                                                                                                                         NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 07/769,9)
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: UP 2-167466
FILING DATE: 25-JUN-1990
                                                                                                                                                                                                     STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                         TELEPHONE: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION: 424
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SOFTWARE: ASCII
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                                                       Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                      LENGTH:
 333
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                                                       Similarity
                                                                                                                                                                                                                          : 1499 base pairs
nucleic acid
ATGAGCACACTTCCAAAACCCCAAAGAAAAAACCAAAAGAAACACCATCCGCCGCCCACAG 60
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                                            Conservative
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333..1499
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                                                                                                                                                                                           cDNA from
                                                      59.1%;
74.0%;
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                                                                                                   /note= "sequence = 1 -
ID NO: 1"
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                                          Score 565.4; DB 2;
Pred. No. 1.4e-158;
2; Mismatches 247;
                                                                                                                                                                                           RNA
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GTCCAGGAGTGTAACTGTTCCATCTACACAGGGCATATCACTGGACACCGAATGGC
                                                                                                                                                                                                                                                                                                                  GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC 1112
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                                                                                                                                                                TGCGGGGGCCTTTTCCTCGTTGGACAGCTCTTCACGCTCAGGCCTCGGATGCATCAGGTT 900
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                                                                                               TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA 1232
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US-08-904-686A-3

[Sequence 3, Application US/08904686A]

[Patent No. 5998130]

[GENERAL INFORMATION:

APPLICANT: OKAYAMA, Hiroto

APPLICANT: FUKE, Isao

[APPLICANT: WORI, Chisato

APPLICANT: TAKAMIZAWA, Akahisa

APPLICANT: YOSHIDA, Iwao

[ITILE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE

TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE

GENOMIC

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                                                                                             Best Loc
Matches
                                                                                                                   Query Match
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION UMBER: JP 2-1
FILING DATE: 25-JUN-1990
                                                                                                                                                    FEATURE: misc_feature: misc_feature: misc_feature: 1..1499
LOCATION: 1..1499
OTHER INFORMATION:
                                                                                                                                                                                                                           FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                    TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
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APPLICATION NUMBER: JP 2-305605
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: ASCII
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                 ELECUTE (202)
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OPERATING SYSTEM:
                                                                                                       Local
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CITY: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
                                                                                                                                                                                                                 LOCATION:
                                                                                                                                                                                                                                                                          STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                   LENGTH:
393
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                     61
                                                                                                                                                                                                                                                                                     H: 1499 base pairs
                                                                                                       Similarity
                GACGTCAAGTTCCCGGGTGGCGGCCAGATCGTTGGTGGAGTCTACTTGCTGCCGCGCAGG
                                                              ATGAGCACACTTCCAAAACCCCAAAGAAAAAACCAAAAGAAAACACCATCCGCCGCCCACAG
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GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                              ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
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                                                                                             Conservative
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333..1499
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS, Version 5.0
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1..1499
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74.0%;
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ID NO: 1"
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Pred. No. 1.4e-158;
2; Mismatches 247;
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1053 GCGCTCACTCCCÁCGCTCGCÁGCCAGGÁACGTCACCÁTCCCCACCÁCGACGATACGACGC 1112
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                                GTCCAGGAGTGTAACTGTTCCATCTACACAGGGCATATCACTGGACACCGAATGGC
                                                                                                                                                               TGCGGGGGCCTTTTCCTCGTTGGACAGCTCTTCACGCTCAGGCCTCGGATGCATCAGGTT 900
                                                                                                                                                                                                                                                    CACGICGATCIGCICGITGGGGGGGGCGGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC 1172
                                                                                                                                                                                                                                                                                           CAGGCCTCCCGACCCTGGCAGTGCCGAACGCGTCTACGCCAGTCACCGGGTTCCGCAAA 780
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ESULT 11

S-09-315-850-3
Sequence 3, Application US/09315850
Patent No. 6217872
GENERAL INFORMATION:
APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: FUKE, Isao
APPLICANT: TAKAMIZAMA, Akahisa
APPLICANT: TAKAMIZAMA, Akahisa
APPLICANT: TOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ATMStrong, Westerman, Hattori, McLeland &
ADDRESSEE: Armstrong, Westerman, Hattori, McLeland &

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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                      Query Match
Best Local 9
                                                                                                                                    Matches 707; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                LOCATION: 333..1499
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..1499
OTHER INFORMATION: /note= "sequence = 1 - 1499
OTHER INFORMATION: ID NO: 1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/315,850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 90)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEPHAX: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
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PRIOR APPLICATION NIMBER: JP 2-305605
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APPLICATION NUMBER: JP 2-230921
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
                                                                                                                                                                                                                                                                                                                                                                  OLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Naughton
STREET: 1725 K St. N.W. Suite 1000
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: McLeland, Le-Nhung REGISTRATION NUMBER: 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: JP 2-167466 FILING DATE: 25-JUN-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/904,686 FILING DATE: 01-AUG-1997 APPLICATION NUMBER: US 08/324,977 FILING DATE: 18-OCT-1994
                                                                                                                                                                                                                                                                                                                               NAME/KEY:
393
                                                                   333
                       61 GACGTCAAGTTCCCGGGTGGCGGCCAGATCGTTGGTGGAGTCTACTTGCTGCCGCGCAGG 120
                                                                 h 59.1%;
Similarity 74.0%;
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333..1499
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E: cDNA from genomic
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                                                                                                                                  Score 565.4; DB 3;
Pred. No. 1.4e-158;
2; Mismatches 247;
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US-08-324-977-11
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1233 TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC 1288	뮹
901 GTCCAGGAGTGTAACTGTTCCATCTACACAGGGCATATCACTGGACACCGAATGGC 956	Ş
1173 TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA 1232	Ъ
841 TGCGGGGGCCTTTTCCTCGTTGGACAGCTCTTCACGCTCAGGCCTCGGATGCATCAGGTT 900	Ş
1113 CACGTCGATCTGCTCGTTGGGGCGGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC 1172	Db
781 CATGTGGACATCATGGTGGGGGGCTGCCGCGTTCTGTTCAGCTATGTATG	Ş
1053 GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC 1112	망
721 CAGGCCTCCCCGACCCTGGCAGTGCCGAACGCGTTACGCCAGTCACCGGGTTCCGCAAA 780	Ş
993 ATGCATACTCCTGGGTGCCGTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGTA 1052	В
661 TIGCACTIGCTIGGGTGTACCTIGTGTGAAGRIGRACAATCAATCCCGGTGCTGGGTG 720	Ş
933 TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC 992	망
601 TACCATCTCACCAACGACTGCCCCAACAGCATCGTTTATGAGGCGGAGACACTGATT 660	Ş
873 CTGCTGTCCTGCCTGACCACCCCAGCTTCCGCTTACGAAGTGCACAACGTGTCCCGGGATA 932	망
541 CTTCTCTGGTGCCTTACAACACCAGCCTCCGGGGGGCGCATTATACCAACAAGAGTCTGGCCTG 600	Ş
813 GGCGTGAACTATGCAACAGGGAATCTGCCCGGTTGCTCTTTTTCTATCTTCCTCTTTGGCT 872	B
481 GGNGTAAATTACGCAACAGNGAATCTTCCCGGNNGCTCTNTCTCTATCTTNCTCTTGGCA 540	Ş
753 GGCGCCCCCTGGGGGGCGCTGCCACATGGTGTCCGGGTTCTGGAGGAC 812	뫄
421 GGCGCTCCGWTGGGAGGCGTCGCGGNGGCCTTGGCGCATGGGGTCANGGNCATCGAGGAC 480	Ş
693 AAGGTCATCGATACCCTCACATGCGGCTTCGCCGGATCTCATGGGGTACATTCCGCTCGTC 752	망
361 AAAGTCATCGACACCCTTACTTGCGGCTTCGCCGACCTCATGGGGTATATCCCCTGTCGTA 420	Ş
633 CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTTGGGT 692	망
301 CGCGGCTCTCGCCCAAATTGGGGCCCAAACGACCCCCGGCGGAGGTCCCGCAACTTGGGT 360	Ş
573 TACCCTTGGCCTCTATGGCAATGAGGGCTTAGGGTGGCCAGGATGGCTCCTGTCACCC 632	DЬ
241 TACCCCTGGCCTCTTTATGGAAATGAGGGCTGTGGTTGGGCAGGCTGGCT	Ş
513 AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCACCTGGGCTCAGCCCGGG 572	Db
181 AGGCGCCAACCAATACCCAAAGTGCGCCCACCAAACGGGCCCTACCTGGGCCCCAGCCCGGG 240	Ş
453. GGCCCCAGGTTGGGTGCGCGCCCCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA 512	ъ
121 GGCCCGCGCTTGGGTGTGCGCGCGACGACGAAAGAATTCTGAACGGTCCCAGCCCAGAGGT 180	ş

Sequence 11, Application US/08324977
Patent No. 5747339
Patent No. 5747339
GENERAL INFORMATION:
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: ATMSERCOMG, Westerman, Hattori, McLeland &
ADDRESSEE: Naughton

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; FEATURE:
; NAME/KEY:
; LOCATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
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FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: JP 2-167466
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
                                                                                                                                                                                                                                                                    NAME/KEY: misc feature LOCATION: 1..6039
OTHER INFORMATION: /not OTHER INFORMATION: SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Stevens-Smith, Therese REGISTRATION NUMBER: 36,281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/099,706 FILING DATE: 30-JUL-1993
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                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 6039 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                        121
 181
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                                                                                                                                                                      Similarity 74.(
07; Conservative
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                                                                                       GACGTCAAGTTCCCCGGGTGGCGGCCAGATCGTTGGTGGAGTCTACTTGCTGCCGCGCAGG
                                                                                                                                    ATGAGCACACTTCCAAAAACCCCAAAGAAAAAACCAAAAGAAACACCATCCGCCCCCACAG
 AGGCGCCAACCAATACCCAAAGTGCGCCACCAAACGGGCCGTACCTGGGCCCAGCCCGGG
                         GGCCCCAGGTTGGGTGTGCGCGCCCCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
                                                GGCCCGCGCTTGGGTGTGCGCGCGAGAGAAAGACTTCTGAACGGTCCCAGCCCAGAGGT 180
                                                                        GACGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGG
                                                                                                                       ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAG
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                                                                                                                                                                                                                                                                                                                                cDNA from genomic
                                                                                                                                                                                59.1%;
74.0%;
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SEQ ID
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                                                                                                                                                                      Score 565.4; DB 2;
Pred. No. 2.8e-158;
2; Mismatches 247;
                                                                                                                                                                                                                                                                     "sequence = 333 - NO: 1"
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                                                                                                                                                                       Indels
                                                                                                                                                                                             Length 6039;
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US-08-384-616-11
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                        STATE:
             COUNTRY:
                                   CITY: Washington
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                         D.C.
             U.S.A.
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GENERAL INFORMATION:

APPLICANT: OKAYAMA, Hiroto

APPLICANT: FUKE, Isao

APPLICANT: WORI, Chisato

APPLICANT: TAKAMIZAWA, Akahisa

APPLICANT: YOSHIDA, Iwao

APPLICANT: YOSHIDA AND ANTIGEN POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 11, Application US/08384616 Patent No. 5847101
                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong, Westerman, H.
ADDRESSEE: Naughton
STREET: 1725 K St. N.W. Suite 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           721 CAGGCCTCCCGGACCCTGGCAGTGCCGAACGCGTCTACGCCAGTCACCGGGTTCCGCAAA
20006
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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NAME/KEY:
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TELEPHONE: (202) 659-2930
TELEPAX: (202) 887-0357
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-
FILING DATE: 09-NOV-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 25-JUN-
PRIOR APPLICATION DATA:
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MEDIUM TYPE:
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                                                                                                                                                                                                                                                                          y Match 59.1%;
Local Similarity 74.0%;
nes 707; Conservative
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OTHER INFORMATION: /not OTHER INFORMATION: SEQ
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REFERENCE/DOCKET NUMBER: 900703B
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                        LOCATION:
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TYPE: Diskette, 3.5 in, 1.44Mb
ER: IBM PC compatible
ING SYSTEM: PC-DOS/MS-DOS, Version 5.
                                                                                      AGGCGCCAACCAATACCCAAAAGTGCGCCAACCAAACGGGCCGTACCTGGGCCCCAGCCCCGGG
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                                       TACCCCTGGCCTCTTTATGGAAATGAGGGCTGTGTGTCCCCC
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2; Mismatches 247;
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                                                                      ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
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                                                                                                                                 STREET: 1725 K St
CITY: Washington
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Sequence 11, Application US/08904686A Patent No. 5998130 GENERAL INFORMATION:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/904,686A
FILING DATE: 01-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                              Matches 707;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (202) 659-29
TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 28-DEC-1990
ATTORNEY AGENT INFORMATION:
NAME: MCLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 9007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-UUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
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APPLICATION NUMBER:
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APPLICATION NUMBER:
FILING DATE: 25-JUN-
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                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY:
LOCATION:
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OTHER INFORMATION: /not OTHER INFORMATION: SEQ
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DEDNESS: single
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                        CGCGGCTCTCGCCCAAATTGGGGCCCAAACGACCCCCGGCGGAGGTCCCGCAACTTGGGT
                                                                                                                    AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG
                                                                                                                                               AGGCGCCAACCAATACCCAAAGTGCGCCACCAAACGGGCCGTACCTGGGCCCAGCCCGGG
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SEQ ID
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Pred. No. 2.8e-158;
2; Mismatches 247;
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RESULT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 11, Application US/09315850
             OPERATING SYSTEM: PC_DOS/MS-DOS, Ve
SOSTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/315,850
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/904,686
APPLICATION NUMBER: US/08/904,686
                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                 APPLICANT: TAKAMIZAWA
APPLICANT: VOSHIDA, 1
TITLE OF INVENTION: 0
TITLE OF INVENTION: 0
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                          APPLICANT: OKALLALIA
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                              MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Vers
                                                                                                                                                                                                                STREET: 1725 K St
CITY: Washington
STATE: D.C.
                                                                                                                                                                                 ZIP: 20006
                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                  ADDRESSEE:
FILING DATE:
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%E: Naughton
1725 K St. N.W. Suite 1000
                                                                                                                                                                                                 U.S.A.
 01-AUG-1997
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                                                                                                                   Version
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; LOCATION:
US-09-315-850-11
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FILLING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILLING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILLING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILLING DATE: 09-NOV-1990
PRIOR APPLICATION NUMBER: US 08/099,706
FILLING DATE: 09-NOV-1993
PRIOR APPLICATION NUMBER: US 07/769,996
FILLING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/769,996
FILLING DATE: 02-OCT-1991
PRIOR APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
FILLING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: MCLG-1and, Le-Nhumg
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 900703G
TELECAMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELECAX: (202) 659-2930
TELECAX: (202) 687-0357
INFORMATION FOR SEQ ID NO: 11:
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Best Local Similarity 74.0
Matches 707; Conservative
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LOCATION: 1..6039
OTHER INFORMATION: /note
OTHER INFORMATION: SEQ I
FEATURE:
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LENGTH: 6039 base pairs
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TOPOLOGY: linear
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361 AAAGTCATCGACACCCTTACTTGCGGCTTCGCCGACCTCATGGGGTATATCCCTGTCGTA 420
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                                                                      CGCGGCTCTCGCCCAAATTGGGGCCCAAACGACCCCCGGGGGGAGGTCCCGCAACTTGGGT 360
                                                                                                                                                        AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG 240
                                                                                                                                                                                                                                              AGGCGCCAACCAATACCCAAAGTGCGCCCACCAAACGGGCCGTACCTGGGCCCAGCCCGGG 240
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                                        CGCGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGT 360
                                                                                                                                 TACCCTTGGCCTCTATGGCAATGAGGGCTTAGGGTGGGCAGGATGGCTCCTGTCACCC 300
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Search completed: January 11, 2006, 10:56:23 Job time: 233.737 secs This Page Blank (uspto)

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Result
No.
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Score
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1: /cgm2_6/ptodata/1
2: /cgm2_6/ptodata/1
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/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
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US-08-441-971-54
US-08-442-144A-54
US-08-441-970-57
US-08-441-970-57
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US-08-441-970-57
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e 57, Appl
e 53, Appl
e 54, Appl
e 54, Appl
e 55, Appl
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RESULT 1 US-08-836-075A-45

ALIGNMENTS

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Sequence 1, 1	Sequence 7, 1	Sequence 108,	Sequence 107,	Sequence 104,	Sequence 108,	Sequence 107,	Sequence 104,	Sequence 5, 1	Sequence 5, 1	Sequence 17,	Sequence 1, F	Sequence 1, F	Sequence 2, P	Sequence 13,	Sequence 13,	Sequence 26,	Sequence 56,	Sequence 56,	Sequence 56,	Sequence 56,
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COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 21 OND
REFERRNCE/DOCKET NUMBER: INNS:004 GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS Sequence 45, Application US/08836075A Patent No. 6180768 REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 4 STATE: LL. STATE: USA COUNTRY: USA 770: 77210-4433 CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433 MOLECULE TYPE: HYPOTHETICAL: SEQUENCE CHARACTERISTICS: NUMBER OF SEQUENCES: STRANDEDNESS: TOPOLOGY: CITY: HOUSTON nucleic acid linear CDNA single NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN ACENTS
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Best Local Similarity
Matches 413; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MAERTENS, SAPPLICANT: STUYVER, LIEVEN
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
TITLE OF INVENTION: AGENTS
TITLE OF INVENTION: AGENTS
TO SECUENCES: 207
APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A
                                                                                                                                                                                                                                                                                                                                                                             CITY: HOUSTON
STATE: TEVY
                                                                                                                                                                                                                                                                                                              ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                          APPLICATION NUMBER: PCT/
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                              APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOETWARE: Microsoft Word 6.0 /
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 77210-4433
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US-08-836-075A-47

Sequence 47, Application Use 15 to 15 to
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INFORMATION FOR SEQ ID NO: 43
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local (
                                                                              COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: CDN
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
CITY: HOUSTON
                            APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997
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; Sequence 54, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                              RESULT 4
US-08-441-971-54
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Best Local :
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INFORMATION FOR SEQ ID NO: 47:
                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
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FILING DATE: 28 JUN 1995
ATTORNEY/ACENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
BEFEFENCE/FONCKET NUMBER: 100.004
COMPUTER READABLE FORM:
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HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                        STREET: 600 F
              COUNTRY: UZIP: 02210
                                           STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181 AGACGCCAACCTATACCGAAGGTGCGTCACCAAACGGGCCGTACCTGGGCTCAACCCGGG
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                                                                         600 Atlantic Avenue
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Pred. No. 3.2e
1; Mismatches
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                                                                                                                                    SEQUENCES FOR AND THERAPEUTICS
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
FRIGHT: 549 nucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
APPLICATION NUMBER: US/07/
FILING DATE:
APPLICATION NUMBER: 07/697
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
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Local Similarity 86.9%;
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                                                                                          CNCGGCTCTCGCCCTAATTGGGGCCCTAATGACCCCCGGNGGAGGTCCCCGCAACCTGGGT
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                              AAGGTCATCGATACCCTTACTTGNGGSTTCGCCGACCTCATAGAGTACATTCC 413
                                                                     CGTGGCTCTCGGCCTAGTTGGGGCCCTACAGACCCCCGGCGTAGGTCGCCGCAATTTGGGT
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Pred. No. 2.9e-88;
1; Mismatches 53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 549;
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WS-08-21-653-54
US-08-221-653-54
; Sequence 54, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:

APPLICANT:

Tai-An Cha

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US-08-221-653-54
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
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ORIGINAL SOURCE:
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ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
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PRIOR APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
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                                                        CGTGGCTCTCGGCCTAGTTTGGGGCCCTACAGACCCCCGGCGTAGGTCGCGCAATTTTGGGT
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IBM compatible
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86.9%;
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Pred. No. 2.9e-88;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/221,653

PILING DATE: APRIL 1, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Doreen Yatko Trujillo

NAME: NUMBER: 35,719
                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 549 Nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: WINDOWS NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION NUMBER: US/08/44: PILLING DATE: MAY 16, 1995
                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM Compatib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: CH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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TYPE: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Emeryville
STATE: California
                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94608-2916
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 AGACGTCAGCCTATCCCTAAGGCGCGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG
                       AGACGCCAACCTATACCGAAGGTGCGTCACCAAACGGGGCCGTACCTTGGGCTCAACCCGGG
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60 Horton Street
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Pred. No. 2.9e-88;
1; Mismatches 53;
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                                                                                                                                                                                                                                                                                                                 DB 3;
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                                                                                                                      Matches
                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                      TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                      NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/88
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/68
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM con
OPERATING SYSTEM:
                                                                                                                                                                                                                                                        STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/441,970 FILING DATE: 16-MAY-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: UZIP: 02210
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61 GACGTCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGG 120
                                                                                                                                                                                                                                                                                        H: 549 nucleotides nucleic acid
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                                                                        ATGAGCACACTTCCTAAACCTCAAAGAAAAACCAAACGAAACACCAACCGTCGCCCACAG 60
                                                    ATGAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAG
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                                                                                                                Score 329.6; DB 3;
Pred. No. 2.9e-88;
1; Mismatches 53;
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                                                                                                                                                  Length 549;
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US-08-441-971-57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 57,
                                                                                                             TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: :
SEQUENCE CHARACTERISTICS:
LENGTH: 549 nuclectides
                                                                                                                                                                                                                                                   FILING DATE:
APPLICATION NUMBER: 07/697
APPLICATION B May 1991
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                            MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 16-MAY-CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
                                                                  TOPOLOGY: 1i
                                                                                             TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: MS-DOS SOFTWARE: WordPerfect 5.1
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                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
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            INDIVIDUAL ISOLATE:
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16-MAY-1995
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RESULT 9
US-08-221-653-57
US-08-221-653-57
; Sequence 57, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION: Cha APPLICANT: Tai-An Cha APPLICANT: Tai-An Cha TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF SEQUENCES: 147
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Best Local :
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield
                                       NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: COTTELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                   FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                                                                                                                                                                                                                                                  SOFTWARE: WordPerfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                        STATE: M
COUNTRY:
             TELEFAX: F
                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                        COMPUTER: IBM com
OPERATING SYSTEM:
                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                                                                         CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                    CITY: Boston
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                                                                                                                                                                                                                                                                                                                                                                      Massachusetts
             EZEKIEL
                                                                                                                                                                                                                                                                                                                                                                                                   600 Atlantic Avenue
                             (617) 720-2441
                                                                                                                                                                                                                                                                              IBM compatible
SYSTEM: MS-DOS Version
                                                                                                                                                                                                                                                                                                             Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          79.4%;
86.7%;
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    Mismatches

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                                                                        C0772/7000
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                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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APPLICANT:
            COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: MICROSOFT WORD 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                          APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUT
                                                                                                                 ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
PRIOR APPLICATION DATA:
                                                                                                                                                  COUNTRY:
ZIP: 946
                                                                                                                                                                          STREET: 4560 Horto
                                                                                                                                                                                                                        ADDRESSEE:
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                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                             Bruce Irvine
Janice Kolberg
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                                                                                                                                                                                                                        Chiron Corporation
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AND THERAPEUTICS

3.5 Inch

US/08442144A

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Query Match
Best Local Similarity
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                             GGCCTCGTTTGGGTGTGCGCGCGACGAGGAAAACTTCTGAACGGTCCCAGCCCAGGGGT
                                                                                                                                                                                                                                                                                                                                                                                                                          GACGTCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGG
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AAGGTCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACC
                                                                                                                                                                                   TACCCCTGGCCTCTTTATGGGAATGAGGGTTGTGGGCTGGGCAGGGTGGCTCCTGTCCCCC
                      AAGGTCATCGATACCCTTACTTGNGGSTTCGCCGACCTCATAGAGTACATTCC
                                                                               CGTGGCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGT
                                                                                                        CNCGGCTCTCGCCCTAATTGGGGCCCTAATGACCCCCGGNGGAGGTCCCCGCAACCTGGGT
                                                                                                                                                              TACCCTTGGCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCC
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Pred. No. 8.6e-88;
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APPLICATION NUMBER:

08/221,653

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RESULT 11
US-08-441-970-57
IS-08-441-970-57
Sequence 57, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
GENERAL INFORMATION:
Tai-An Cha
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ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                           NERAL INFORMATION: Cha APPLICANT: Tai-an Cha TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS TITLE OF SEQUENCES: 147
             COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
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                                                                                                                                              NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
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TYPE: Nucleic Acid
STRANDEDNESS: Single
COMPUTER:
                                                     ZIP: 02210
                                                                     COUNTRY:
                                                                                                                             STREET:
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                                                                                      Massachusetts
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                                                                                                                           600 Atlantic Avenue
                                                                         USA
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IBM compatible
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                   5.25 inch
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Pred. No. 8.6e-88;
                                                                                                                                                Sacks, P.C
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; Sequence 2, Application US
; Patent No. 5856458
; GENERAL INFORMATION: Okamoto, Hi
; APPLICANT: Okamoto, Hi
; APPLICANT: Nakamura, T
; TITLE OF INVENTION: AP
; TITLE OF INVENTION: HE

Okamoto, Hiroaki

Tetsuo

OLIGONUCLEOTIDE PRIMERS, AND THEIR APPLICATION FOR HIGH-FIDELITY DETECTION OF NON-A, NON-B HEPATITIS VIRUS

US-08-470-426B-2

Application US/08470426B

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 549 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 07/881,528
APPLICATION NUMBER: 07/891,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 16-MAY-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: STRANDEDNESS: SI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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                               AAGGTCATCGATACCCTTACTTGNGGSTTCGCCGACCTCATAGAGTACATTCC 413
                                                                                               CNCGGCTCTCGCCCTAATTGGGGCCCCTAATGACCCCCGGNGGAGGTCCCGCAACCTGGGT
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                                                                CGTGGCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGT
                                                                                                                                TACCCTTGGCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCC
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86.7%;
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Pred. No. 8.6e-88;
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RESULT 13
US-08-470-426B-32
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FILING DATE: 12-UN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-1862
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 536 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 357; Conserv
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Beveridge, DeGrandi, Weilacher & Young, ADDRESSEE: L.L.P.
STREET: 1850 M Street, N.W., Suite 800
CITY: Washington
STATE: DC
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version CURRENT APPLICATION DATA:
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86.4%;
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Pred. No. 2.9
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APPLICANT: Okamoto, Hi
APPLICANT: Nakamura, TITLE OF INVENTION: OI
TITLE OF INVENTION: AI
TITLE OF INVENTION: AI
TITLE OF INVENTION: AI
TITLE OF SEQUENCES: II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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Best Local Similarity
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FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-153402
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGRERUES/DOCKET NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47083.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
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INFORMATION FOR SEQ ID NO: :
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MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
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CITY: Washington
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STRANDEDNESS: single
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                                        CNCGGCTCTCGCCCTAATTGGGGCCCTAATGACCCCCGGNGGAGGTCCCGCAACCTGGGT
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APPLICATION FOR HIGH-FIDELITY DETECTION OF NON-A, NON-B
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86.4%;
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Pred. No. 2.6e-87
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Patent No.
                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 549 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
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APPLICATION NUMBER:
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                                                                        121 GGCCCTCGTTTGGGTGTGCGCGCGAGGAACGAGGAAAACTTCTGAACGGTCCCAGCCCAGGGGT 180
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181 AGACGCCAACCTATACCGAAGGTGCGTCACCAAACGGGCCGTACCTGGGCTCAACCCGGG
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Pred. No. 2.6e-87;
1; Mismatches 55;
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US-08-221-653-53
                                                                                                      Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
APPLICATION NUMBER: 07/697,320
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REGISTRATION NUMBER: 29,809
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                                                                                                                                                                                     MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION: TELLEPHONE: (617) 720-3500
TELLEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA: APPLICATION NUMBER: US/07/881,528
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MEDIUM TYPE: Diskett
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                                                                                                                                                                                                                                             TOPOLOGY:
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CLASSIFICATION: 435
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AAGGTCATCGATACCCTTACTTGNGGSTTCGCCGACCTCATAGAGTACATTCC
CGTGGCTCTCGGCCTAGTTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGT 360
CNCGGCTCTCGCCCTAATTGGGGCCCTAATGACCCCCGGNGGAGGTCCCGCAACCTGGGT
TACCCTTGGCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCC 300
TACCCCTGGCCTCTTTATGGGAATGAGGGTTGTGGCTGGGCAGGGTGGCTCCTGTCCCCC 300
AGACGTCAGCCTATCCCCAAGGCGCTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGG 240
AGACGCCAACCTATACCGAAGGTGCGTCACCAAACGGGCCGTACCTGGGCTCAACCCGGG 240
GCCCTAGATTGGGTGTGCGCGCGAGGAAGACTTCCGAGCGGTCGCAACCTCGAGGT 180
GGCCCTCGTTTGGGTGTGCGCGCGACGACGACGAAAACTTCTGAACGGTCCCAGCCCAGGGGT

Search completed: January 11, 2006, 10:56:24 Job time: 101.008 secs

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Result
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Listing first 45 summaries
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    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
     Score
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1: /cgn2_6/ptodata/1

2: /cgn2_6/ptodata/1

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/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PCOMB.seq:*
/cgn2_6/ptodata/1/ina/PCOMB.seq:*
/cgn2_6/ptodata/1/ina/PCOMB.seq:*
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US-08-150-204E-96
US-08-324-977-9
US-08-324-977-3
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US-08-315-850-1
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US-08-315-850-11
US-08-324-977-13
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Sequence 47, Appl
Sequence 41, Appli
Sequence 1, Appli
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Sequence 9, Appli
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Sequence 3, Appli
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Sequence 13, Appl	Sequence 13, Appl	Sequence 26, Appl	•	49,	Sequence 49, Appl	•	•	Sequence 17, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 2, Appli	Sequence 5, Appli	Sequence 5, Appli	•	Sequence 16, Appl	Sequence 27, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli

ALIGNMENTS

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Sequence 47 Application US/08836075A
Patent No. 6180768
PARENT STUTMENTION: MARKTENS, GEERT
APPLICANT: MARKTENS, GEERT
APPLICANT: MARKTENS, GEERT
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APPLICANT: MARKTENS, GEERT
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: T7210-4433
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COUNTRY: USA
APPLICATION NAMER: ENDAYS DOS
SOFTWARE: MACCOST UNMER: US/08/836,075A
APPLICATION NUMBER: ENDAYS DOS
SOFTWARE: MANGER: P07/895/04155
FILING DATE: 23 Oct 1994
PRIOR APPLICATION DATA:
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US-08-836-075A-47
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Best Local Similarity
Matches 957; Conser
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                GCCCAGGACTGCAACTGTTCCATCTATGCAGGCCACATCACTGGGCACCGGATGGCG 957
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                                                                                                          CACGTGGACCTCTTGGTGGTGCTGCTGCGTTCTGCCTTACGTGGCGACTTA
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RESULT

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; MOLECULE TYPE:
; HYPOTHETICAL: N
; ANTI-SENSE: NO
US-08-836-075A-43
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APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Sim
Matches 780;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
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ADDRESSEE: ARNOLD, WHITE
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
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                                                                                   AGGCGCCAACCAATACCCAAGGTGCGCCAGAACCAAGGCCGAACCTGGGCTCAGCCTGGG 240
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                             GGCCCGCGCTTGGGTGTGCGCGCGACGAGAAAGACTTCTGAACGGTCCCAGCCCCAGAGGT
Conservative
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81.6%;
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Pred. No. 6.4e-175;
3; Mismatches 173;
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RESULT 3
US-08-836-075A-41
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 41, Application US/08836075A Patent No. 6180768
                                                                       CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS(
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                              APPLICANT: MAERTENS, GEERT
APPLICANT: STUTVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES
TITLE OF INVENTION: AND THEIR USE
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
APPLICATION NUMBER: US/0
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/
                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                        ADDRESSEE: ARNOLD, WHITE STREET: P.O. BOX 4433
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                                                        US/08/836,075A
    PCT/EP95/04155
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APPLICATION NUMBER: BP 94870166.9

FILING DATE: 21 Oct 1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: BP 95870076.7

FILING DATE: 28 Jun 1995

ATTORNEY/ACENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 957 base pairs
TYPE: nucleic acid
GTBANDENESC: Ciccle
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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      CTGCATCTTCCAGGTTGTGTCCCATGTATCAAGGCGGGGAATGAGTCACGATGTTGGCTC
                              CTGCATCTCCCGGGTTGCGTCCCCTGCGTGAAGACCGGCAACCTGACCAAGTGTTGGCTG
                                                                                   TACCATCTTACCAATGACTGCTCGAACAACAGCATCGTTTTTGAGGCGGAGACCATGATA
                                                                                                           TATCATCTAACCAATGACTGCCCCAATAGCAGCATTGTGTATGAGGCGAATGGCATGATC
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                                                                                                                     APPLICATION NUMBER: US/08/446, FILING DATE: 22-MAY-1995
APPLICATION NUMBER: US 08/074, FILING DATE: 11-JUN-1993
APPLICATION NUMBER: UP 152487, FILING DATE: 11-JUN-1992
ATTORNEY/AGENT INFORMATION: NAME: Oblon, No. 5799544man FREGISTRATION NUMBER: 24,618
REFERENCE/ODCKET NUMBER: 4169-
TELECOMMUNICATION INFORMATION: TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2320
TELEFAX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
LENGTH: 1037 Dase pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application US/08462195
Patent No. 5789544
GENERAL INFORMATION:
APPLICANT: MIYAMURA, TATSUO
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APPLICANT: MATSUURA, YOSHIHARU
APPLICANT: HONDA, YOSHIKAZU
APPLICANT: SEKI, MAKOTO
TITLE OF INVENTION: METHOD FOR PRODUCING ECTOPROTEIN
TITLE OF INVENTION: HEPATITIS C VIRUS
                  ANTI-SENSE: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/462,195
FILING DATE: 05-UUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
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                                                      TOPOLOGY: 1
MOLECULE TYPE:
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COUNTRY:
                                                                                     STRANDEDNESS:
                                                                                         TYPE: nucleic acid
STRANDEDNESS: double
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 ORGANISM:
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MATSUURA, YOSHIHAK
"ONDA, YOSHIKAZU
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Hepatitis C virus
                                                                    linear
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                                                      DNA (genomic)
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MBER: JP 152487/1992
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NAME/KEY:
LOCATION:
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CLONE: pUC010
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GCCCAGGACTGCAACTGTTCCATCTATGCAGGCCACATCACTGGGCACCGGATGGC 956
                                                                                                                                                      CACGTGGACCTCTTGGTGGGTGCTGCTGCGTTCTGCTCTGCCATGTACGTGGGCGACTTA 840
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Pred. No. 7.3e-141;
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US-08-636-883-1
                                                                                                                                                            US-08-636-883-1
                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Oblon, No. 5830691man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 4169-003-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEPA: (703) 413-2220
TELEPA: 24885 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
                                                                                       Best Loc
Matches
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                                                                                                                      Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                            IMMEDIATE SOURCE:
CLONE: PUC010
                                                                                                                                                                                                                                                            ANTI-SENSE: NO ORIGINAL SOURCE: ORGANISM: Hep
                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 1037 base pairs
TYPE: nucleic acid
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NAME: Oblon, No. 5830691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                            Local -
                                                                                                                                                                          NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                            TYPE:
STRANDEDNESS: dou
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APPLICATION NUMBER: JP 152487/1992
FILING DATE: 11-JUN-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
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5. 5830691
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                                                                                                       Similarity
                                      ATGAGCACACTTCCAAAACCCCAAAGAAAAACCAAAAGAAACACAAACCGTCGCCCAATG
                    ATGAGCACAAATCCTAAACCCCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAG
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HONDA, YOSHIKAZU
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                                                                                                                                                                                                                                                                                                                 DNA (genomic)
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73.8%;
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                                                                                                     Score 559; DB 2; Pred. No. 7.3e-141;
                                                                                       Mismatches
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                                                                 Sequence 1, Application US/09127829
PATENT NO. 6063904
GENERAL INFORMATION:
APPLICANT: MIYAMURA, TATSUO
APPLICANT: SAITO, IZUMU
APPLICANT: MATSUURA, YOSHHARU
APPLICANT: MATSUURA, YOSHHARU
APPLICANT: SEKI, MARTITLE OF INVENTION:
                                                    APPLICANT:
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                             SAITO, IZUMU
MATSUURA, YOSHIHAI
HONDA, YOSHIKAZU
SEKI, MAKOTO
 METHOD FOR PRODUCING HEPATITIS C VIRUS
                     ECTOPROTEIN OF
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEPAX: (703) 413-2220
TELEX: 24885 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1037 base pairs
TYPE: nucleic acid
CTE NUMBERNIES: 4-8-15
                                                                                                                                                                                                                                                                                                                                                      Matches 706;
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLONE: pUC010 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/074,584
FILING DATE: 11-UN-1993
APPLICATION NUMBER: UP 152487/1992
FILING DATE: 11-UN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 6063904man F.
REGISTRATION NUMBER: 24,618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Hepatitis
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
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CITY: A
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
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                     AGGCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAGGACCTGGGCTCAGCCTGGG
                                                                                                    AGGCGCCAACCAATACCCAAGGTGCGCCAGAACCAAGGCCGAACCTGGGCTCAGCCTGGG
                                                                                                                                         GGCCCCAGGTTGGGTGTGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGA
                                                                                                                                                                          GGCCCACGTTTGGGTGTGCGCGCGACGAGGAAGACTTCGGAACGGTCCCAGGCCAGAGGT 180
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 TATCCTTGGCCCCTCTATGGCAATGAGGGCTTGGGGTGGGCAGGATGGCTCCTGTCACCC
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1755 S. Jefferson
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73.8%;
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                                                                                                                                                                                                                                                                                                                                                                                       Sequence 96, Application US/08150204E Patent No. 6538126 GENERAL INFORMATION:
                                                                                                                                                                                          CHOI, Deog Young
SO, Hong Seob
KIM, Chun Hyung
KIM, Sung Taek
YANG, Jae Young
TITLE OF INVENTION: HEPATITIS C
NUMBER OF SEQUENCES: 128
                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: YANG, Jae Young
STREET: 386-1, Doryong-dong,
CITY: Daejeon
STATE: Daejeon
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.
COMPUTER: IBM PC/pentium
OPERATING SYSTEM: Windows
                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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                                                                     ZIP: 305-340
                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                      PARK,
                                                                                                                                                                                                                                                                                                                     LIM, Kook Jin
                                                                                      Republic
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                                  3.5inch,
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                                    1.44MB storage
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720 676 660 616 600 556

SOFTWARE: Microsoft Word

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US-08-150-204E-96
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 940-8564
TELEPAX: (212) 940-8776
ORMATION FOR SEQ ID NO: 96
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: KHCV-LBC1, SEQUENCE DESCRIPTION: SEQ ID NO: 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: KR 91-9510
FILING DATE: 10-UN-1991
APPLICATION NUMBER: KR 91-13601
FILING DATE: 6-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Shahan Islam, Esq.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/150,204E
FILING DATE: 20-Apr-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR
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CTGCTGTCTTGACCACCCCAGTTTCCGCTTATGAAGTGCGTAACGCGTCCGGGATG
                                     CTTCTCTCGTGCCTCACCACGCCTGCCTCCGCACTAAACTATGCTAACAAGTCTGGGCTG
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STRANDEDNESS: double
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: <Unknown>
R APPLICATION DATA:
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73.8%;
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Pred. No. 1.7e-140;
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; Patent No. 5747339
; GENERAL INFORMATION:
APPLICANT: OKAYAMA
; APPLICANT: FUKE, I.
; APPLICANT: MORI, C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-324-977-9
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                                                                                                                APPLICATION UNMER: US/08/324,977
APPLICATION UNMER: US/08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION UNMER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION UNMEREN: US 07/769 996
                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3
COMPUTER: IBM PC compati
OPERATING SYSTEM: PC-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                     APPLICATION NUMBER: US 0 FILING DATE: 02-OCT-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
TITLE OF INVENTION: CONA AND ANTIGEN POLYPEPTIDE
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Almor.
ADDRESSEE: Naughton
COMPRET: 1725 K St. N.W. Suite 1000
                 APPLICATION NUMBER: US 07/635,451 FILING DATE: 28-DEC-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 20006
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MORI, Chisato
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                                                                                                       US 07/769,996
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; LOCATION:
US-08-324-977-9
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Best Local Similarity
Matches 704; Conserv
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LOCATION: 1..1167
OTHER INFORMATION: /note:
OTHER INFORMATION: SEQ ID
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: cDNA from genomic FEATURE:
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TOPOLOGY: linear
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CTGCATCTCCCGGGTTGCGTCCCCTGCGTGAAGACCGGCAACCTGACCAAGTGTTGGCTG
                                                        TATCATCTAACCAATGACTGCCCCAATAGCAGCATTGTGTATGAGGCGAATGGCATGATC
                                                                                                                 CTTCTCTCGTGCCTCACCACGCCTGCCTCCGCACTAAACTATGCTAACAAGTCTGGGCTG
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                                                                                              CTGCTGTCCTGCCTGACCACCCCAGCTTCCGCTTACGAAGTGCACAACGTGTCCGGGATA
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                               TATCATGTCACGAACGACTGCTCCAACGCAAGCATTGTGTATGAGGCAGCGGACTTGATC
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SEQ ID
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Pred. No. 5.6e-140;
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US-08-384-616-9
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                                                                                                                                               PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 2-305605

FILING DATE: 09-NOV-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/635,451

FILING DATE: 28-DEC-1990

ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION UNMBER: JP 2-230921
FILING DATE: 31-AUG-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: PC-DO:
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/
FILING DATE:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: MORI, Chi
APPLICANT: TAKAMIZAW
APPLICANT: YOSHIDA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: OKAYAMA, HE APPLICANT: FUKE, Isao
                                                  NAME: Stevens-Smith, Theres
REGISTRATION NUMBER: 36,281
REGERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 424
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                TELEFAX:
TELEX: 4
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                                  (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              U.S.A.
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TAKAMIZAWA, Akahisa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IBM PC compatible SYSTEM: PC-DOS/MS-DOS,
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LENGTH: 1167 base pairs
TYPE: nucleic acid
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LOCATION: 1.1167
OTHER INFORMATION: /not
OTHER INFORMATION: SEQ
FEATURE:
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                                GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC
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Pred. No. 5.6e-140;
1; Mismatches 251;
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RESULT 10
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Patent No. 5998130
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/904,6863
FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-UTW-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
PRIOR APPLICATION NUMBER: JP 2-30921
PRIOR APPLICATION NUMBER: JP 2-305605
                                                           TELEFAX: (202) 887-03
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                       APPLICATION NUMBER: US 07/635,451 FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
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MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 30-JUL-
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                 SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pair
                                                                                                                         TELECOMMUNICATION INFORMATION:
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CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
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                                                                                                                                           NAME: McLeland, Le-Nhung
REGISTRATION NUMBER: 31,
REFERENCE/DOCKET NUMBER:
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ZIP: 20006
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                                                                                                   TELEPHONE:
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TAKAMIZAWA, Akahisa
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Best Local Similarity
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LOCATION:
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OTHER INFORMATION: /not OTHER INFORMATION: SEQ
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                                                       GCGCTCACTCCCACGCTCGCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC
                                                                                 TCGGCCTCCCCGACATTGGCGGTGCAGAATGCGTCGGTGTCCATCAGGGGTGTCCGCGAG
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Pred. No. 5.6e-140;
1; Mismatches 251;
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NO: 1"
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US-09-315-850-9
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                                                                                                                                                                                                                                  APPLICATION NUMBER: JP 2-305605

PRICE APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILLING DATE: 30-JUL-1993
PRIOR APPLICATION NUMBER: US 07/769,996
APPLICATION NUMBER: US 07/769,996
FILLING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
FILLING DATE: 28-DEC-1990
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                                                                            INFORMATION FOR SEQ ID NO:
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TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-UUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/904,686
FILING DATE: 01-AUG-1997
APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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PRIOR APPLICATION DATA:
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MEDIUM TYPE: Diskett
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APPLICANT: YOSHIDA,
                                  SEQUENCE CHARACTERISTICS:
LENGTH: 1167 base pairs
                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2930
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                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
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COUNTRY:
ZIP: 200
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CITY: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                          NAME: McLeland, Le-Nhung REGISTRATION NUMBER: 31,541
STRANDEDNESS:
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1725 K St. N.W. Suite 1000
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                                                                                              (202)
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US-09-315-850-9
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Best Local :
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OTHER INFORMATION: /notOTHER INFORMATION: SEQ
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TGCGGTGGGCTCTTTCTCGTTGGGCAGTTGTTCACGTTCAGACCCAGGATGTATGAGATC
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                                                                                                         TCGGCCTCCCCGACATTGGCGTGCAGAATGCGTCGGTGTCCATCAGGGGTGTCCGCGAG
                                                                                                                                                                 CTGCATCTCCCGGGTTGCGTCCCCCTGCGTGAAGACCGGCAACCTGACCAAGTGTTGGCTG
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                                                                                     GCGCTCACTCCCACGCTCGCAGCCAGCCAGGAACGTCACCATCCCCACCACGACGATACGACGC
                                                                                                                                              ATGCATACTCCTGGGTGCGTGCCTGCGTTCGGGAAGGCAACTCCTCCCGCTGCTGGGTA
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                           CACGTCGATCTGCTCGTTGGGGGGCCGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC
                                                       CACGTGGACCTCTTGGTGGGTGCTGCTGCGTTCTGCCTTGCCATGTACGTGGGCGACTTA 840
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SEQ ID
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Pred. No. 5.6e-
1; Mismatches
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US-08-324-977-3
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APPLICATION NUMBER: JP 2-330921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION NUMBER: JP 2-305605
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
US 08/099,70
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
                                                                                                                                                           TELEFAX: (202) 887-03:
TELEX: 440142
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compati
OPERATING SYSTEM: PC-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/O
FILING DATE: 18-OCT-1994
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APPLICANT: YOSHIDA, I
TITLE OF INVENTION: N
TITLE OF INVENTION: (
                                                                                                                       SEQUENCE CHARACTERISTICS
LENGTH: 1499 base pai
                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Stevens-Smith, Theres
REGISTRATION NUMBER: 36,281
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                  FEATURE:
                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2
FILING DATE: 25-JUN-1990
                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION
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CORRESPONDENCE ADDRESS:
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NAME/KEY:
LOCATION:
                                                                                                                                                                                TELEPHONE: (202) 887-0357
                                                                        TOPOLOGY: 1i
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COUNTRY: U.S.A.
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CITY: Washington
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    Application US/08324977
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                                                                                                H: 1499 base pairs
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                                                                                                                    TGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCTCGCCGGCATGTGACA
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Pred. No. 6.1e-140;
1; Mismatches 251;
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RESULT 13
US-08-384-616-3
; Sequence 3, Application US/08384616
; Patent No. 5847101
; Patent No. 584710N:
US-08-384-616-3
                                                                                                                                                                                                                                       TELEPHONE: (202) 659-29:
TELEPAX: (202) 887-0357
TELEX: 440142
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                            PILING DATE: 31-AUG-1990

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605

PILING DATE: 09-NOV-1990

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451

PILING DATE: 28-DEC-1990

ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-UUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: ONA, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: PC-D
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
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        NAME/KEY: misc feature LOCATION: 1..1499
OTHER INFORMATION: /note OTHER INFORMATION: ID NO
                                                                  FEATURE:
NAME/KEY:
                                                                                                                                        FEATURE:
                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2930
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CITY: Washington
STATE: D.C.
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                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                     TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                           NAME: Stevens-Smith, Theres REGISTRATION NUMBER: 36,281
                                                                                                      LOCATION:
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Matches

704; Conservative

Best Local Similarity

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121 GGCCCACGTTTGGGTGTGCGCGCGACGAGGAAGACTTCGGAACGGTCCCAGGCCAGAGGT 180
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                                            TTACAGGACTGTAACTGCTCAATTTATCCCGGCCATGTGTCGGGTCACCGTATGGC 1288
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1; Mismatches 251;
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US-08-904-686A-3
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PRIOR APPLICATION DATA: US 08/099,706

APPLICATION DATA: US 08/099,706

FILING DATE: 30-JUL-1993

PRIOR APPLICATION DATA: US 07/769,996

FILING DATE: 02-OCT-1991

PRIOR APPLICATION DATA: US 07/635,451

APPLICATION DATA: US 07/635,451

APPLICATION DATA: 28-DEC-1990

ATTORNEY/AGENT IMPORMATION:
                                                                                                                                                                                                                                                                                                                                 TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO:
                                                                                                           LOCATION: FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/904,686A FILLING DATE: 01-AUG-1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/324,977 FILING DATE: 18-OCT-1994 PRIOR APPLICATION DATA:
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APPLICANT:
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                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: JP 2-305605
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
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                NAME/KEY: misc feature LOCATION: 1..1499
OTHER INFORMATION: /no
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                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                        LENGTH: 1499 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: McLeland, Le-Nhung REGISTRATION NUMBER: 31,
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RESULT 14 US-08-904-686A-3 Sequence 3, Application US/08904686A Patent No. 5998130 GENERAL INFORMATION:

> Matches Query Match

Local Similarity 73. hes 704; Conservative

73.6%;

Score 555.8; DB 2; Pred. No. 6.1e-140; 1; Mismatches 251;

Length 1499; Indels

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US-09-315-850-3
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                                             Sequence 3, Application US/09315850 Patent No. 6217872 GENERAL INFORMATION:
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US-09-315-850-3
                                                 Query Match
Best Local Similarity
Matches 704; Conserv
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PRILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
PRIOR APPLICATION NUMBER: JP 2-305605
PRIOR APPLICATION NUMBER: JP 2-305605
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
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APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
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APPLICATION NUMBER: US 07/769,996
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                  NAME/KEY:
LOCATION:
FEATURE:
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LOCATION:
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FILING DATE: 01-AUG-1997
APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
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TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pair
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CITY: Washington
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TYPE: nucleic acid
STRANDEDNESS: single
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Pred. No. 6.1e-140;
1; Mismatches 251;
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US-10-005-469-1 Sequence 10 260.2 76.5 7992 3 US-10-005-469-1 Sequence 2, 260.2 76.5 7992 3 US-10-005-469-4 Sequence 2, 260.2 76.5 7992 3 US-10-005-469-4 Sequence 6, 260.2 76.5 7992 3 US-10-005-469-6 Sequence 6, 260.2 76.5 7992 3 US-10-005-469-6 Sequence 6, 260.2 76.5 7992 3 US-10-005-469-6 Sequence 2, 260.2 76.5 7992 3 US-10-005-469-6 Sequence 6, 260.2 76.5 8001 3 US-09-39-601-7 Sequence 2, 260.2 76.5 8001 3 US-09-39-601-2 Sequence 2, 260.2 76.5 8638 3 US-10-029-907-6 Sequence 2, 260.2 76.5 8638 3 US-10-029-907-6 Sequence 6, 260.2 76.5 8638

ALIGNMENTS

COMPUTER READABLE FORM: ZIE: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Ploppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION UNMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION NUMBER: P04870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION NUMBER: P95870076.7 APPLICATION NUMBER: P9 5870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: NAME: KAMMERER, 29,775 PETERDENCR/NOCKET NUMBER: INNS:004 US-08-836-075A-53 ; Sequence 53, Application US/08836075A ; Patent No. 6180768 REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: GENERAL INFORMATION: APPLICANT: MAERTENS, C APPLICANT: STUYVER, LI TITLE OF INVENTION: N TITLE OF INVENTION: AC TITLE OF INVENTION: AC NUMBER OF SEQUENCES: 2 TOPOLOGY: li MOLECULE TYPE: HYPOTHETICAL: 1 CORRESPONDENCE ADDRESS: COUNTRY: USA ZIP: 77210-4433 ADDRESSEE: STREET: P. STRANDEDNESS: single CITY: HOUSTON ENGTH: 1: 340 base pairs nucleic acid TEXAS E: ARNOLD, WHITE & DURKEE P.O. BOX 4433 linear AGENTS 207 , GEERT NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN 53: THERAPEUTIC AND DIAGNOSTIC

Sequence Sequence Sequence

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; Sequence 55, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: MM SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
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US-08-836-075A-55
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Best Local (
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                                                APPLICATION NUMBER: US/08/836,075A
PRILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
PRIOR APPLICATION NUMBER: PS 4870166.9
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: 29,775
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                    ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
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340; Conserv
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                                      INNS:004
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US-08-836-075A-57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: MAERTENS,
APPLICANT: STUYVER, L
TITLE OF INVENTION: A
TITLE OF INVENTION: A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 57, Application US/08836075A Patent No. 6180768
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                                                                                                                                             COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILLING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
ANDITICATION DATA:
ANDITICATION DATA:
OTHERS OF THE PRIOR OF THE PRIOR APPLICATION DATA:

ANDITICATION MIMBER: DOT/FROS/AA155
                 APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
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MOLECULE TYPE: NO
HYPOTHETICAL: NO
ANTI-SENSE: NO
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                           CITY: HOUSTON
STATE: TEXAS
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NEW SEQUENCES O
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92.9%;
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     EP 95870076.7
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Pred. No. 4.7e-84;
3; Mismatches 21
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                                                                                                                                                                                                                                                                                                                                                                Patent No. 6071693
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 11, Application US/08441971 Patent No. 6071693
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 57:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
                                                                                                 COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM compatib
                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                    APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                   APPLICATION NUMBER: US/01
FILING DATE: 16-MAY-1995
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              APPLICATION NUMBER: FILING DATE:
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APPLICATION NUMBER:
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US/07/881,528
                                                                                       US/08/441,971
                            US/08/221,653
                                                                                                                                                                 5.25 inch
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RESULT 5
US-08-221-653-11
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Patent No. 6190864
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HO
TITLE OF INVENTION: DI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE:
                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
APPLICATION NUMBER: 07/6:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
OPERATING SYSTEM: MS-DOS Version 3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                      ZIP:
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REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
                                                 COMPUTER: IBM compatible
                                                                                                                        COUNTRY:
                                                                                                                                                        CITY: Boston
                                                                                                                                                                        STREET:
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                                                                 5.25 inch
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Pred. No. 6.7e-74;
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120 180 180 240 240 120

APPLICATION NUMBER:

US/08/221,653

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RESULT 6
US-08-442-144A-11
; Sequence 11, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
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Best Local (
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                                                                APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Brice Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SI
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 148
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
ORIGINAL SOURCE:
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LENGTH: 340 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER:
                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE:
STREET: 45
CITY: Emer
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CLASSIFICATION: 435
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SEE: Chiron Corporation : 4560 Horton Street Emeryville
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                                                                                    SEQUENCES FOR AND THERAPEUTICS
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US-08-441-970-11
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                                                                                                                                                              RESULT 7
                                                                                                         Sequence 11, Application US/08441970 Patent No. 6297370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 295;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
               GENERAL INFORMATION:
APPLICANT: Tal-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/221,653

PILING DATE: APRIL 1, 1994

ATTORNEY,AGENT INFORMATION:

NAME: Doreen Yatko Trujillo

REGISTRATION NUMBER: 35,719

REFERENCE/DOCKET NUMBER: CHIR-0121

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5spl
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 215-568-31
TELEFAX: 215-568-3439
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
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MAY 16, 1995
N: 425
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87.3%;
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Pred. No. 6.7e-74;
1; Mismatches 42
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RESULT 8
US-08-441-971-12
; Sequence 12, Application
; Patent No. 6071693
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: (FILING DATE: 16-MAY-1 CLASSIFICATION: 536 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: WordPerfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
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STATE: Massachusetts
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CITY: E
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 GAGCGCGGGGACCCCAAGACGACGCGCGAGCCTACGAG 338
                          GAGTGCGGGAGTCGAGGAAGACGCGGCGAACCTACGAG 338
                                                                                                 TGCAAAGCTCCGGGACTGCACCATGCTCGTGTGGGGGGATGACCTTGTCGTTATCTGTGA 300
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                                                                         TGCGAAGCTCCAGGACTGCACAATGCTCGTGTGCGGTGACGACCTTGTCGTTATCTGTGA
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78.6%;

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Score 267.2; DB 3 Pred. No. 6.5e-73; 1; Mismatches 44

DB 3; 44;

Indels Length

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180

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180

300

240

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; INDIVIDUAL ISOLATE: US-08-441-971-12 TELEX: EZEKIEL INFORMATION FOR SEQUENCE CHARACTERISTICS: ATTORNEY AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1070-3500 MOLECULE TYPE:
ORIGINAL SOURCE: ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES F
TITLE OF INVENTION: DIAGNOSTICS AND THERAPE
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C. PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1 CURRENT APPLICATION DATA: ELECUTE (617) FILING DATE:
APPLICATION NUMBER:
FILING DATE: 8 May APPLICATION NUMBER: FILING DATE: 16-MAY CLASSIFICATION: 435 COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: WordPerfect 5.1 TYPE: nucleic acid STRANDEDNESS: sing FILING DATE: US/07/881,528 LENGTH: 340 nucleotides Boston Massachusetts 600 Atlantic Avenue USA linear IBM compatible SYSTEM: MS-DOS Version 3. 8 May 1991 DNA 16-MAY-1995 single 720-2441 ns5sp3 07/697,326 US/08/221,653 US/08/441,971 12: 5.25 inch C0772/7000 SEQUENCES FOR AND THERAPEUTICS

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US-08-221-653-12
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GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM compatible
OPERATING SYSTEM: MS.DOS
SOFTWARE: WordDerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/01
FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147 CORRESPONDENCE ADDRESS: ADDRESS: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 07/6
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS LENGTH: 340 nucleotid
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APPLICATION NUMBER: 1
FILING DATE:
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ZIP: 02210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
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                                                   181
                    241
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o. 6190864
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                                                                        GACTACCAGCTGCGGCAACACCCTGACATGCTACTTGAAAGCCAGAGCGGCCTGTCGAGC 240
                                                                                                                                     YCTAACCAATTCAAAAGGACAGAACTGCGGCTACCGTTCGGTGCCGCCGCCAGCGGCGTCGT
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TGCAAAGCTCCGGGACTGCACCATGCTCGTGTGCGGGGATGACCTTGTCGTTATCTGTGA
                                                   GACGACTAGCTGCGGTAATACCCTCACATGTTACCTGAAGGCCAGTGCGGCCTGTCGAGC
                                                                                                                    CCTGACTAATTCAAAAGGGCAGAACTGCGGCTATCGCCGGTGCCGCGCAAGCGGCGTGCT
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86.7%;
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Pred. No. 6.5e-73;
1; Mismatches 44
                                                                                                                                                                                                                                                                                                                                                   DB 3;
                                                                                                                                                                                                                                                                                                                      44;
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; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE:
US-08-442-144A-12
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                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/442,14
APPLICATION: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 35,719
REGISTRATION NUMBER: 35,719
REGISTRATION NUMBER: 35,719
REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: CHIR-0121 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
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                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 340 Nucleot
TYPE: Nucleic Acid
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STATE: California
                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
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                                                                     GGCCCCCGAAGCCAGACAGGCTATAAGGTCGCTCACAGAGCGGCTTTACATCGGGGGTCC
                                                                                           GGCCCCGAGGCTCGCAAGGCCATAAAGTCGCTCACCGAGCGGCTGTACATCGGGGGGCCC 120
                                                                                                                                                              CTCGACAGTTACTGAGAATGACATCCGTGTCGAGGAATCAATATACCAATGTTGTGACTT
CCTGACTAATTCAAAAGGGCAGAACTGCGGCTATCGCCGGTGCCGCGAAGCGGCGTGCT
                                                                                                                                         CTCAACAGTCACTGAGAGTGACATCCGTGTTGAGGAGTCAATCTACCAATGTTGTGACTT 60
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                                                                                                                                                                                                                                                                                                                                                       Linear
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86.7%;
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Pred. No. 6.5e-73;
1; Mismatches 44
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Patent No. 6
                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                         Matches
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotide
                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 536 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Disketto
COMPUTER: IBM compat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE: 16-MAY
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ZIP: 02210
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GGCCCCCGAGGCTCGCAAGGCCATAAAGTCGCTCACCGAGCGGCTGTACATCGGGGGCCC
                                                        CTCAACAGTCACTGAGAGTGACATCCGTGTTGAGGAGTCAATCTACCAATGTTGTGACTT
                                                                           CTCGACAGTTACTGAGAATGACATCCGTGTCGAGGAATCAATATACCAATGTTGTGACTT
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                                                                                                                                                                                                                                                                                                            340 nucleotides
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                                                                                                                       Conservative
                                                                                                                                                                                                                                                      linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IBM compatible
                                                                                                                                                                                                                                             DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Diskette, 5.25 inch
                                                                                                                                       78.6%;
86.7%;
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                                                                                                                                                                                                          ns5sp3
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                                                                                                                    Score 267.2; DB 3;
Pred. No. 6.5e-73;
1; Mismatches 44
                                                                                                                                                        DB 3;
                                                                                                                       44;
                                                                                                                                                        Length 340;
                                                                                                                       Indels
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RESULT 12
US-08-191-160-3
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                                                                                       TELEFAX: (202) 833-5744
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1770 base pairs
TYPE: nucleotide with corresponding
                                                                                                                                                                                                                                                                               APPLICATION NUMBER: UK 89 28 562.1
PILING DATE: 18 DEC 1989
PRIOR APPLICATION DATA:
APPLICATION UMBER: UK 90 04 414.0
PILING DATE: 27 PEB 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 90 04 814.1
APPLICATION NUMBER: UK 90 04 814.1
PILING DATE: 03 MAR 1990
ATTORNEY/AGENT INFORMATION:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/6
FILING DATE: 17 DEC 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy diskette, 5.25 inch, COMPUTER: IBM AT compatible OPERATING SYSTEM: MS-DOS V3.2 SOFTWARE: Wordperfect 5.0 (DOS text) CURRENT APPLICATION DATA:
                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION:
                   MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Barbara, John Anthony James
TITLE OF INVENTION: Viral Agent
NUMBER OF SEQUENCES: 25
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                                                                                                                                                                                                                                           NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,195
                                                         TOPOLOGY:
                                                                         STRANDEDNESS:
                                                                                                                                                                                          TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 20006
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1700 K Street
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Tedder, Richard Seton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Highfield,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U.S.A.
human; serum infectious for PT-NANBH
                                                         linear
                                                                                                                                                                                          (202) 833-5740
                                   cDNA to genomic RNA
                                                                         single
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Brian Colin
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                                                                                                                                                                                                                                 1645-103A
                                                                                           protein
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US-08-191-160-22
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Patent No. 6210675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches 293;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Highfield, Peter Edmund APPLICANT: Rodgers, Brian Colin APPLICANT: Tedder, Richard Seton APPLICANT: Barbara, John Anthony James TITLE OF INVENTION: Viral Agent NUMBER OF SEQUENCES: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IMMEDIATE SOURCE:
LIBRARY: clone
                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette, 5.25 inch,
COMPUTER: IBM GROUP COMPATION COMPATION COMPATION SYSTEM: MS-DOS V3.2
SOFTWARE: Wordperfect 5.0 (DOS text)
CURRENT APPLICATION DATA:
FILING DATE: 18 DEC 1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 90
FILING DATE: 27 FEB 1990
                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS: ADDRESSEE: Rothwell,
                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                          STATE: I
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                                                         APPLICATION NUMBER: 07/628,516
FILING DATE: 17 DEC 1990
APPLICATION NUMBER: UK 89 28 562.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION:
                                                                                                                         CLASSIFICATION:
                                                                                                                                        FILING DATE:
                                                                                                                                                        APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                          CITY: Washington
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Pred. No. 1.2
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RESULT 14
US-08-441-971-8
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                                                                                                                                                                                                                          Sequence 8, Application Patent No. 6071693
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 3750 base pairs
TYPE: nuclectide with corresponding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 90
PILING DATE: 03 MAR 1990
ATTORNEY/AGENT INFORMATION:
NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,1
                                                                                                                                                                 APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
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ORIGINAL SOURCE:
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                                                                                                            NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre-
COMPUTER READABLE FORM:
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                 COUNTRY: USA
ZIP: 02210
                                                       STATE:
                                                                            CITY:
                                                                                            STREET:
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                                                                          Boston
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                                                       Massachusetts
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                                                                                            600 Atlantic
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                                                                                              Avenue
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Pred. No. 1.6e-72;
1; Mismatches 44
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300 3500 240

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US-08-441-971-9

(Sequence 9, Application US/08441971)

(Sequence 9, Application US/08441971)

(Patent No. 6071693)

(GENERAL INFORMATION:

APPLICANT: Tai-An Cha
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

(NUMBER OF SEQUENCES: 147)
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                                                                                                                                                   RESULT 15
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SEQUENCE CHARACTERISTICS:
LENGTH: 340 miclossics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMPUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
CORRESPONDENCE ADDRESS:
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COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version
SOFTWARE: WordPerfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
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cal Similarity 86.4%;
292; Conservative
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Best Local Similarity 86.4%;
                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,971
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TOPOLOGY: lir
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STATE: Massa
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                              GAGTGCGGGAGTCGAGGAAGACGCGACGAACCTACGAG 338
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                                                                                                                              GACGACCAGCTGCGGTAATACCCTTACATGTTACTTGAAGGCCTCTGCAGCCTGTCGAGC
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                                                              CGCGAAGCTCCAGGACTGCACGATGCTCGTGTGTGGGGGACGACCTTGTCGTTATCTGTGA
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Search completed: January 11, 2006, 10:56:27 Job time: 83.331 secs

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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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1: /cgn2-6/ptodata/1/
2: /cgn2-6/ptodata/1/
3: /cgn2-6/ptodata/1/
4: /cgn2-6/ptodata/1/
6: /cgn2-6/ptodata/1/
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Match Length
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Copyright (c) 1993 - 2006
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/cgm2_6/ptodata/1/ina/5_COMB.seq:*
/cgm2_6/ptodata/1/ina/6A_COMB.seq:*
/cgm2_6/ptodata/1/ina/6B_COMB.seq:*
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/cgm2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgm2_6/ptodata/1/ina/RE_COMB.seq:*
/cgm2_6/ptodata/1/ina/RE_COMB.seq:*
/cgm2_6/ptodata/1/ina/RE_COMB.seq:*
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US-08-836-075A-57
US-08-836-075A-57
US-08-836-075A-53
US-08-191-160-2
US-08-441-971-11
US-08-441-971-11
US-08-441-970-11
US-08-441-970-12
US-08-441-970-12
US-08-441-970-12
US-08-441-970-12
US-08-441-970-12
US-08-441-971-8
US-08-441-971-8
US-08-441-971-8
US-08-441-971-9
US-08-442-144A-9
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Compugen Ltd
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US-08-836-075A-55
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GENERAL INFORMATION:
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45	44	43	42	41	40	39	38	37	36	35	υ 4	33	32	31	30	29	28	27	26	25
265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
8638	8638	8638	8638	8638	8637	8001	8001	8001	7995	7992	7992	7992	7992	7992	7989	6189	340	340	340	340
ω	ω	w	w	ω	ω	w	w	w	w	ω	w	w	w	w	ω	ω	w	ω	w	w
US-10-309-561A-6	US-10-029-907-25	US-10-029-907-24	US-10-029-907-7	US-10-029-907-6	US-09-539-601-4	US-09-539-601-28	US-09-539-601-22	US-09-539-601-7	US-10-005-469-3	US-10-005-469-6	US-10-005-469-5	US-10-005-469-4	US-10-005-469-2	US-10-005-469-1	US-09-539-601-10	US-10-259-275-41	US-08-441-970-10	US-08-442-144A-10	US-08-221-653-10	US-08-441-971-10
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
6, Appli	25, Appl	24, Appl	7, Appli	6, Appli	4, Appli	28, Appl	22, Appl	7, Appli	 Appli 	6, Appli	5, Appli	4, Appli	Appli	1, Appli	•	•	10, Appl	10, Appl	•	10, App1

ALIGNMENTS

COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: APPLICANT: MAERTENS, G APPLICANT: STUYVER, LI TITLE OF INVENTION: AN TITLE OF INVENTION: AN TITLE OF INVENTION: AG NUMBER OF SEQUENCES: 2 TOPOLOGY: 1i MOLECULE TYPE: HYPOTHETICAL: COUNTRY: USA ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk SEQUENCE CHARACTERISTICS: LENGTH: 340 base pairs FILING DATE: 28 Jun 1995 ATTORNEY JAGENT INFORMATION: NAME: KAMMERER, FATRICIA A. REGISTRATION NUMBER: 29,775 APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 NUMBER OF SECULIARY OF SECULIAR CITY: HOUSTON STATE: TEXAS STRANDEDNESS: single nucleic acid P.O. linear ARNOLD, WH AGENTS 207 , GEERT LIEVEN NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC A 29,775 55: INNS: 004 THERAPEUTIC AND DIAGNOSTIC

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; Sequence 57, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
ITITLE OF INVENTION: AGENTS
INVENER OF SEQUENCES: 207
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US-08-836-075A-57
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Best Local Similarity
Matches 340; Conserv
                                             APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION UNMBER: EP 94870166.9
PRIOR APPLICATION UNMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: I
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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STREET: P.O. BOX 4433
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                                       INNS:004
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RESULT 3
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APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SECU-
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
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Matches
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                             COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 94870166.9
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91
                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                    CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: ARNOLD, STREET: P.O. BOX 4
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NEW SEQUENCES
AND THEIR USE
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     EP 95870076.7
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Pred. No. 3.2e-81;
3; Mismatches 22
                                                                                                                                                                                        ASCII text
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                                                                                                                                                                                                                                                                                                                                                                                                                      HEPATITIS C VIRUS GENOTYPES
PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 3;
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US-08-191-160-3
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Matches
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                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                          APPLICANT: Highfield, Peter Edmund APPLICANT: Rodgers, Brian Colin APPLICANT: Tedder, Richard Setton APPLICANT: Barbara, John Anthony James TITLE OF INVENTION: Viral Agent NUMBER OF SEQUENCES: 25
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                             SOFTWARE: Wordperfect 5.0 (DOS text) CURRENT APPLICATION DATA:
                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette,
COMPUTER: IBM AT compatible
COMPUTER: MS-DOS V3.2
OPERATING SYSTEM: MS-DOS V3.2
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LENGTH: 340 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                STATE: I
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                                                              APPLICATION NUMBER:
                                                                                           SOFTWARE:
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1700 K Street
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    07/628,516
                                                              US/08/191,160
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Pred. No. 4.2e-81;
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RESULT 5 US-08-191-160-22

Sequence 22, Application US/08191160 Patent No. 6210675

GENERAL INFORMATION:
APPLICANT: Highfield, Peter Edmund
APPLICANT: Rodgers, Brian Colin
APPLICANT: Tedder, Richard Seton
APPLICANT: Barbara, John Anthony Ja

TITLE OF INVENTION:

John Anthony James

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Best Local Similarity
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1770 base pairs
TYPE: nucleotide with corresponding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 27 FEB 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 90 04
FILING DATE: 03 MAR 1990
ATTORNEY/AGENT INFORMATION:
NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
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1581
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                               GAGCGCGGGAGTCGAGGAGGACGCGCGAACCTACGAGTC 340
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GAGCGCGGGAACCCCAGGAGGACGCGCGAGCCTACGAGTC
                                                                                         TGCAAAGCTCCAGGACTGCACGATGCTCGTGTGCGGAGACGACCTTGTCGTTATCTGTGA 300
                                                                 TGCAAAGCTCCAGGACTGCACGATGCTCGTGTGCGGAGACGGCCTTGTCGTTATCTGTGA 1580
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; serum infectious for PT-NANBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cDNA to genomic
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87.9%;
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Pred. No. 5.7e-73
2; Mismatches 3
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Matches
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 833-5740
TELEPAX: (202) 833-5744
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette, 5.25 inch,
COMPUTER: IBM AT compatible
COMPUTER: MS-DOS V3.2
COMPUTER: MS-DOS V3.2
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APPLICATION NUMBER: UK 91
FILING DATE: 03 MAR 1990
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CORRESPONDENCE ADDRESS:
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APPLICATION NUMBER: UK 90 04 414.0
FILING DATE: 27 FEB 1990
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                                                                                                                                                                                                                                                                                                                   Local Similarity
wes 299; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: polyprotein OTHER INFORMATION: viral non-structural proteins
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REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LIBRARY:
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TGCAAAGCTCCAGGACTGCACGATGCTCGTGTGCGGAGACGACCTTGTCGTTATCTGTGA 300
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                                  GACGACTAGCTGCGGTAATACCCTCACATGTTACTTGAAGGCCTCTGCAGCCTGTCGAGC
                                                                  GACCACCAGCTGCGGCAACACCCTCACATGCTACTTGAAAGCCAGGGCGGCCTGTCGAGC
                                                                                                       CCTGACTAATTCAAAAGGGCAGAACTGCGGCTATCGCCGGTGCCGCGCGAGCGGCGTGCT 3440
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                                                                                                                                                                                                                                                                                                                                                                                                                                            from 1 to 3750 bp portion of the PT-NANBH
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                                                                                                                                                                                                                                                                                                                   Score 276.8; DB 3
Pred. No. 7.3e-73;
2; Mismatches 39
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RESULT 6
US-08-441-971-11
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Patent No. 6071693
GENERAL INFORMATION:
                                                                                                                                                                      Matches
                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                    TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: MS-DOS Version SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/441,971 FILLING DATE: 16-MAY-1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS
LENGTH: 340 nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS: ADDRESSEE: Wolf, Gre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 8 May
                                                                                                                                                                                                                                                                                           STRANDEDNESS:
TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/07/881,528 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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                                               GGCCCCCGAAGCCAGACAGGCTATAAGGTCGCTCACAGAGCGGCTGTACATCGGGGGTCC
                                                                            GGCCCYGAGGCCCGCAAGGCCATAAAGTCGCTCACCGAGCGGCTGTACGTCGGGGGCCC
                                                                                                                             CTCGACAGTTACTGAGAACGACATCCGTACCGAGGRATCAATCTATCAATGTTGTGACTT
                                                                                                            CTCCACAGTCACTGAGAGTGACATCCGTGTTGAGGAGTCAATTTACCAATGTTGTGACTT
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                                                                                                                                                                                   Score 275.2; DB Pred. No. 1e-72;
                                                                                                                                                                      Mismatches
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US-08-221-653-11
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                                                                                    Query Match
Best Local Similarity
Matches 298; Conserv
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                        TOPOLOGY: lin
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/697,326 FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE:
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                                                                                                                                                                                                                   STRANDEDNESS: single
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                                                                                                                                                                                                                                                LENGTH: 340 nucleotides
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GGCCCCYGAGGCCCGCAAGGCCATAAAGTCGCTCACCGAGCGGCTGTACGTCGGGGGCCC 120
                                                        CTCGACAGTTACTGAGAACGACATCCGTACCGAGGRATCAATCTATCAATGTTGTGACTT 60
                           CTCCACAGTCACTGAGAGTGACATCCGTGTTGAGGAGTCAATTTACCAATGTTGTGACTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Massachusetts
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                                                                                     Conservative
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                                                                                                  80.9%;
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R: C0772/7000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5.25 inch
                                                                                     2;
                                                                                                  Score 275.2; DB 3; Pred. No. 1e-72;
                                                                                     Mismatches
                                                                                    40;
                                                                                                               Length 340;
                                                                                     Indels
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                                                                                    Gaps
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                                          US-08-442-144A-11
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US-08-442-144A-11
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Best Local Similarity
            Query Match
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Sequence, Patent No. 621450.

Patent No. 621450.

GENERAL INFORMATION:

APPLICANT: Tai-An Cha
APPLICANT: Elicen Beall

APPLICANT: Brice Irvine

APPLICANT: Brice Kolberg

APPLICANT: Michael S. Urdea

PAPLICANT: Michael S. Urdea

"""TIE OF INVENTION: HCV GENOMIC SEQUENCES FOR

"""TAIL OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UMBER: 08/221,653
PILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yarko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
                                                                                                                                                 STRANDEDNESS:
TOPOLOGY: Lin
                                                                                                                                                                                     LENGTH: 340 Nu
TYPE: Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
                                                                                  INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                     TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 CCTAACCAATTCAAAGGGGCAGAACTGCGGGCTATCGTCGGTGTCGCGCTAGCGGCGTGCT 180
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Emeryville
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87.6%;
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Score 275.2; DB Pred. No. 1e-72;
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                    Length 340;
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Patent No. 6
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APPLICANT: Tai-An
                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/441,97/
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                        TELEX: EZEKIEL INO:
STRANDEDNESS:
TOPOLOGY: line
MOLECULE TYPE: I
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEB: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                  NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                        SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 600 AOCITY: Boston
STATE: Massacl
COUNTRY: USA
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                                                                       LENGTH:
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                                                                                                                                                                                                                                                                                                                                  ENGTH: 9413
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SOFTWARE: PatentIn version 3.0 SEQ ID NO 6
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Best Local Similarity
Matches 298; Conserv
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APPLICANT: KINSEY, BERMA
APPLICANT: KINSEY, BERMA
APPLICANT: BHOGAL, BALBIR
TITLE OF INVENTION: MACROAGGREGATED PROTEIN CONJUGATES AS ORAL GENETIC IMMUNIZATION
TITLE OF INVENTION: AGENTS
FILE REFERENCE: PO1949US1/10004014
CURRENT APPLICATION NUMBER: US/09/827,688
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/195,680
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 13
                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: HEPATITIS
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GACCACCAGCTGCGGCAACACCCTCACATGCTACTTGAAAGCCAGGGGGGGCCTGTCGAGG
                                                                                            CCTAACCAATTCAAAGGGGCAGAACTGCGGGCTATCGTCGGTGTCGCGCTAGCGGCGTGCT 180
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Pred. No. 3e-72;
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US-08-441-971-12
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Best Local :
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                                                                                                                                           Matches
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                                                                                                                                                                                                                                                  MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
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PRIOR APPLICATION DATA:
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
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ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MARCHIE TYPE
                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (617) /20-33-
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: FILING DATE: 16-MA
                                                                                                                                                          Local
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                                                                                                                                                                                                                               INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                          LENGTH: 340 nucleotides
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Similarity 87.1%;
96; Conservative
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6071693
GGCCCCCGAAGCCAGACAGGCTATAAGGTCGCTCACAGAGCGGCTTTACATCGGGGGTCC
                               egccccxeaegcccccaaegccaraaagrcccrcacceaegcegcreracercegegegccc
                                                                     CTCAACAGTCACTGAGAGTGACATCCGTGTTGAGGAGTCAATCTACCAATGTTGTGACTT
                                                                                                      CTCGACAGTTACTGAGAACGACATCCGTACCGAGGRATCAATCTATCAATGTTGTGACTT
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                                                                                                                                                         Score 272; DB 3
Pred. No. 9e-72;
                                                                                                                                           Mismatches
                                                                                                                                                                         DB 3; Length 340;
                                                                                                                                          42;
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120
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US-08-221-653-12
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 Query Match
Best Local Similarity
Matches 296; Conser
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GENERAL INFORMATION:
                                                                                                                                                                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 340 nucleotide
                                                                                        MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                       FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                   TELEFAX: \c_
TELEFAX: EZEKIEL
TELEFAX: EZEKIEL
                                                                                                                                                                                                                   TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                             NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: MS-DOS Version 3.3
                                                                                                                         TOPOLOGY:
                                                                                                                                        STRANDEDNESS:
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                                                                                                                                                      1: 340 nucleotides
nucleic acid
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600 Atlantic Avenue
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   Conservative
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              80.0%;
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Score 272; DB 3
Pred. No. 9e-72;
2; Mismatches
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                              DB 3; Length 340;
   42;
   Indels
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Gaps
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US-08-442-144A-12
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                         CURRENT APPLICATION UPMAN.
APPLICATION UNMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA: 08/221,653
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 08/21,653
APPLICATION SAPRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows I
SOFTWARE: Microsoft Word 9:
CURRENT APPLICATION DATA:
                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Brice Irvine
APPLICANT: Brice Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                 MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotide
                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: CH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
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                                                                                     TYPE: Nucleic Acid
STRANDEDNESS: Sing
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                                                                         TOPOLOGY:
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             INDIVIDUAL ISOLATE:
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                                                                                                                               340 Nucleotides
                                                                   Linear
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RESULT 14
US-08-441-970-12
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Best Local Similarity 87.1
Matches 296; Conservative
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APPLICANT: Tai-An Cha
                                                                                                                                                                                                             APPLICATION NUMBER: US/08/
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA: 07/881
APPLICATION NUMBER: 07/881
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                      TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                      NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
COMPUTER: IBM compat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
                                SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: MS-DOS V
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
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STRANDEDNESS:
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SYSTEM: MS-DOS Version
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Pred. No. 9e-72;
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RESULT 15
US-08-441-971-8
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Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
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Best Local Similarity 87.1
Matches 296; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                  FILING DATE: 16-MAY-1
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                       COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08
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MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
          FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
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                                                                                                                                  APPLICATION NUMBER: FILING DATE:
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(617)
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87.1%; Pred. No. 9e-72;
tive 2; Mismatches 42; Indels
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Best Local Similarity
Matches 295; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: sin
TOPOLOGY: linear
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301
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                                                                                GACGACTAGCTGCGGTAATACCCTCACATGTTACTTGAAGGCCACTGCGGCCTGTAGAGC
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                                                            TGCGAAGCTCCAGGACTGCACGATGCTCGTGTGCGGAGACGACCTTGTCGTTATCTGTGA
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Pred. No. 2.7e-71;
2; Mismatches 43;
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340
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Gaps

180 180

120 120 60 60

240 240

Search completed: January 11, 2006, 10:56:28 Job time: 83.331 secs

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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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Maximum DB seq length: 200000000
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Perfect score:
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Issued Patents NA:*

1: /cgm2_6/ptodata/1/ina/1_COMB.seq:*
2: /cgm2_6/ptodata/1/ina/5_COMB.seq:*
3: /cgm2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgm2_6/ptodata/1/ina/6A_COMB.seq:*
5: /cgm2_6/ptodata/1/ina/H_COMB.seq:*
6: /cgm2_6/ptodata/1/ina/PTUS_COMB.seq:*
7: /cgm2_6/ptodata/1/ina/PCTUS_COMB.seq:*
8: /cgm2_6/ptodata/1/ina/PCOMB.seq:*
9: /cgm2_6/ptodata/1/ina/RE_COMB.seq:*
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340
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Copyright (c) 1993 - 2006 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

24	222	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	ω	2	بر	Result No.
267.6	270.8	272.4	272.4	275.6	275.6	275.6	275.6	275.6	275.6	275.6	275.6	275.6	275.6	277.2	277.2	278.8	278.8	278.8	278.8	302	303.6	339.6	Score
78.7	79.6	80.1	80.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.5	81.5	82.0	82.0	82.0	82.0	88.8	89.3	99.9	Query Match
340	1773	9595	340	9472	1782	340	340	340	340	340	340	340	340	3750	1770	340	340	340	340	340	340	340	Query Match Length
w	·	ω	w	w	W	w	ω	ω	w	W	w	w	W	ω	w	w	w	ω	w	w	w	w	BB
US-08-221-653-9	US-09-720-095A-1	US-09-014-416-4	US-09-878-281A-213	US-08-150-204E-96	US-09-597-877-11	US-08-441-970-11	US-08-441-970-8	US-08-442-144A-11	US-08-442-144A-8	US-08-221-653-11	US-08-221-653-8	US-08-441-971-11	US-08-441-971-8	US-08-191-160-22	US-08-191-160-3	US-08-441-970-12	US-08-442-144A-12	US-08-221-653-12	US-08-441-971-12	US-08-836-075A-53	US-08-836-075A-55	US-08-836-075A-57	ID
Sequence 9, Appli	Ļ	4	213	96,		Sequence 11, Appl	Sequence 8, Appli	11	Sequence 8, Appli	ļ,	Sequence 8, Appli	Sequence 11, Appl	Sequence 8, Appli	22	Sequence 3, Appli	12,	12,	12,	12,		Sequence 55, Appl	Sequence 57, Appl	Description

45	44	43	42	41	40	39	38	37	36	ω 5	34	ω	32	31	30	29	28	27	26
267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6
78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
9416	9416	9275	9030	9030	9030	9030	7917	7917	7917	7917	7863	7863	7863	7863	2991	2991	2991	2991	340
N	N	ω	w	N	N	N	w	N	N	2	ω	N	N	N	w	N	N	Ŋ	w
US-08-384-616-1	US-08-324-977-1	US-10-259-275-39	US-09-315-850-13	US-08-904-686A-13	US-08-384-616-13	US-08-324-977-13	US-09-315-850-31.	US-08-904-686A-31	US-08-384-616-31	US-08-324-977-31	US-09-315-850-35	US-08-904-686A-35	US-08-384-616-35	US-08-324-977-35	US-09-315-850-49	US-08-904-686A-49	US-08-384-616-49	US-08-324-977-49	US-08-441-970-9
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
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Appli	Appli	App1	Appl	Appl	Appl	App1	Appl	Appl	Appl	Appl	App1	Appl	Appl	Appl	Appl	Appl	Appl	Appl	Appli

ALIGNMENTS

US-08-35 - 075A-57 US-08-35 - 075A-57 Sequence 57, Application US/08836075A Patent No. 6180768 Patent No. 618076 Patent No. 61807

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         patent No. 6180768
GENERAL INFORMATION:
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Best Local (
                                         APPLICATION NUMBER: US/08/836,075A
ETILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
ETILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
ETILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
ETILING DATE: 28 Jun 1995
ATTORNEY_AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: AND THEIR USE
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                               STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MICTOSOFT WORD 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: ARNOLD, WHI
STREET: P.O. BOX 4433
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                                  INNS:004
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; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-836-075A-55
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US-08-836-075A-53
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                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS,
APPLICANT: STUYVER, L
TITLE OF INVENTION: N
TITLE OF INVENTION: A
TITLE OF INVENTION: A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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                                                                              ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6:0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: PCT/EP95/04155
PRIOR APPLICATION DATA:
                 APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9-
                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                   CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
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207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , GEERT
LIEVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                  NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC A
                                                                                                                                                                                                                                                                                                                                                                     WHITE &
                      EP 95870076.7
                                                                      EP 94870166.9
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Pred. No. 5.6
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AND DIAGNOSTIC

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181 GACTACCAGCTGCGGTAATACCCTCACATGTTACTTGAAAGCCCAGGGCGGCCTGTCGAGC 240
                                                                                                                                                                                                                                                                                                                                                                                      61 GGCCCCYGAGGCCCGCAAGGCCATAAAGTCGCTCACCGAGCGGCTGTACGTCGGGGGCCC 120
                                                                                                                                                                                                                                                                                                                       CCTAACCAACTCAAAAGGGCAGAACTGCGGCTACCGTTGGGTGCCGCCCAGCGGCGTGCT 180
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                                          GAGTGCRGGAGTCGAGGAGGATGCGGCGAACCTACGAGTC 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTCGACAGTTACTGAGAACGACATCCGTACCGAGGRATCAATCTATCAATGTTGTGACTT
GAGCGCGGAGTCGAGGAGGACGCGGCGAACCTACGAGTC 340
                                                                                                                                                                                           GACCACCAGCTGCGGCAACACCCTCACATGCTACTTGAAAGCCAGGGCGGCCTGTCGAGC
                                                                                                                                                                                                                                                                                           CCTAACCAATTCAAAGGGGCAGAACTGCGGCTATCGTCGGTGTCGCGCTAGCGGCGTGCT
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RESULT 4
US-08-441-971-12
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                                                                                                                                                                                                                                                                                                                                         Sequence 12, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 92.9
Matches 314; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 53:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: cDN HYPOTHETICAL: NO
                                                                                                      MEDIUM TYPE: Diskette, 5.25 inch COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version 3.3 SOFTWARE: WordDerfect 5.1 CURRENT APPLICATION DATA:
                                                PRIOR APPLICATION DATA:
                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
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                                                            APPLICATION NUMBER: US/0
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
               APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 340 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                             CITY: Boston
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APPLICATION NUMBER:
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                                                                                              US/08/441,971
US/07/881,528
                              US/08/221,653
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RESULT 5
US-08-221-653-12
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Patent No. 6190864
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                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY, AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REGISTRATION NUMBER: C0772/7000
            ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.
SOFTWARE: WordPerfect 5.1
                                                                                                                                                                                           NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Green
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ORIGINAL SOURCE:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
CURRENT APPLICATION DATA
                                                                                                               CITY: Boston
STATE: Massachusetts
COUNTRY: USA
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                                                                                                                                                          ADDRESSEE: WOLL, GALLER STREET: 600 Atlantic Avenue
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STRANDEDNESS: single
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    Mismatches

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Pred. No. 1.7e-74;
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US-08-442-144A-12
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                                                                                                                                                                                 Sequence 12
Patent No.
GENERAL IN
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                         APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Brice Irvine
APPLICANT: Janice Kolberg
APPLICANT: Wichael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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ORIGINAL SOURCE:
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LENGTH: 340 nucleotide
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: 1
                                            CORRESPONDENCE ADDRESS:
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STRANDEDNESS: single
TOPOLOGY: linear
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              ADDRESSEE:
STREET: 4
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No. 6214583
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                                                                                                                                                                                    INFORMATION:
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Emeryville
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              E: Chiron Corporation 4560 Horton Street
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                                                                          SEQUENCES FOR AND THERAPEUTICS
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Sequence 12, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 301;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/442,14
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE LOCKTE NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
INDIVIDUAL ISC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
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STRANDEDNESS: Sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
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Pred. No. 1.7e-74;
1; Mismatches 38
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CORRESPONDENCE ADDRESS:

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RESULT 8
US-08-191-160-3
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; Patent No. 6210675
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
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TELEFAX: EZEKIEL
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STREET: 60
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CLASSIFICATION:
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Similarity 88.5%;
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Pred. No. 1.7e-74;
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GENERAL INFORMATION:

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US-08-191-160-3
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Best Local S
Matches 300
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TELEPAX: (202) 833-5744
INFORMATION FOR SEQ ID NO: :
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: 07/628
FILING DATE: 17 DEC 1990
APPLICATION NUMBER: UK 89
FILING DATE: 18 DEC 1989
PRIOR APPLICATION DATA:
APPLICATION UMBER: UK 90
FILING DATE: 27 FEB 1990
PRIOR APPLICATION NUMBER: UK 90
PRIOR APPLICATION NUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
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MEDIUM TYPE: Floppy diskette, 5.25 inch,
COMPUTER: IBM AT compatible
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APPLICANT: Tedder, Richard Seton
APPLICANT: Barbars, John Anthony James
TITLE OF INVENTION: Viral Agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: polyprotein OTHER INFORMATION: pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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STREET: 1
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                                                                                                                           GGCCCCCGAAGCCAGACAGGCCATAAGGTCGCTCACAGAGCGGCTTTATATCGGGGGTCC
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                                         CCTAACCAACTCAAAAGGGCAGAACTGCGGCTACCGTCGGTGCCGCCGCCAGCGGCGTGCT
                                                                                                                                                                                GGCCCCCGAGGCCCCAAGGCCATAAAGTCGCTCACCGAGCGGCTGTATATCGGGGGTCC
                                                                                                                                                                                                                                         CTCAACAGTCACTGAGAATGACATCCGTGTAGAGGAGTCAATTTATCAATGTTGTGACTT
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                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (202) 833-5740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UMBER: UK 90
03 MAR 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cDNA to genomic
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                                                                                                                                                                                                                                                                                                                                                                                           81.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                probably encodes viral non-structural proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25
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UK 89 28 562.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ...
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                                                                                                                                                                                                                                                                                                                                                                                           Score 277.2; DB 3
Pred. No. 9.2e-74;
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Patent No. 6210675
GENERAL INFORMATION:
APPLICANT: Highfie
APPLICANT: Rodgers
APPLICANT: Tedder,
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                                                                                                                                                                                          TELEFAX: (202) 833-5744
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                     FILING DATE: 27 FEB 1990
PRIOR APPLICATION DATA:
APPLICATION UNMBER: UK 90 04 8:
FILING DATE: 03 MAR 1990
ATTORNEY/AGENT INFORMATION:
NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,195
                                                                                                                                                                                                                                                                                                                                                                                PILING DATE: 18 DEC 1989

PRIOR APPLICATION DATA:
APPLICATION UMBER: UK 90 04 414.0
PILING DATE: 27 FEB 1990

PRIOR APPLICATION NATA

PRIOR APPLICATION NATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/6:
FILING DATE: 17 DEC 1990
                   FEATURE:
LOCATION:
                                                                                                 MOLECULE TYPE: O
                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM AT compatible
OPERATING SYSTEM: MS-DOS V3.2
SOFTWARE: Wordperfect 5.0 (DOS text)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Barbara, John Anthony James TITLE OF INVENTION: Viral Agent
                                                                    IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                     TELEPHONE: (202) 833-5744
TELEPHONE: (202) 833-5744
                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 17 DEC
APPLICATION NUMBER:
FILING DATE: 18 DEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                               LENGTH: 3750 base pairs
TYPE: nucleotide with corresponding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE:
 LOCATION:
                                                                                  ORGANISM:
                                                                                                                                      TOPOLOGY:
                                                                                                                                                  STRANDEDNESS:
                                                LIBRARY:
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Rodgers, Brian Colin
Tedder, Richard Seton
                                                cDNA clones from 3' end of the genome
                                                                                human; serum infectious
                                                                                                                                   linear
                 from 1 to 3750 bp portion of the PT-NANBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rothwell, Figg, Ernst & Kurz
polyprotein
                                                                                                                                                                                                                                                      (202) 833-5740
                                                                                                                 cDNA to genomic
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3R: 1645-103A
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                                                                                   for PT-NANBH
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                                                                                                                               APPLICATION NUMBER: US/07/
FILING DATE:
APPLICATION NUMBER: 07/697
APPLICATION B MAY 1991
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
   INFORMATION FOR SEQ ID NO:
                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                               TELEPHONE:
                                                                                   NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3501
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                    EZEKIEL
                                    (617) 720-2441
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US/07/881,528 US/08/221,653

07/697,326

C0772/7000

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Query Match
Best Local Similarity
Matches 300; Conserv
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                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Tai-An
                                                    COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
APPLICATION NUMBER: US/0 FILING DATE: 16-MAY-1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3561 GAGCGCGGAACCCAGGAGGACGCGGCGAGCCTACGAGTC 3600
                                                                                                                                                                                                                                Boston
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                                                                                                                                                                                                                Massachusetts
                                                                                                                                                                                                                                                    600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                  Tai-An Cha
                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                             IBM compatible SYSTEM: MS-DOS Version 3.3
                                                                                                                                     Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 81.5%;
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                                      US/08/441,971
                                                                                                                                     5.25 inch
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Pred. No. 1.:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11, Application US/08441971 Patent No. 6071693 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 299;
                                                                            SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/44
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/08/22
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                   MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version
SOPTWARE: WordPerfect 5.1
                                               APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                            STREET:
                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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600 Atlantic Avenue
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87.9%;
                                                                 US/07/881,528
                                                                                                 US/08/221,653
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                                 07/697,326

    Mismatches

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Pred. No. 1.6e-73;
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                                                                                                                                                                                                                                                                                                          Sequence 8, Application US/08221653
Patent No. 6199864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity Matches 299; Conserv
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                                  CURRENT APPLICATION NUMBER: US/08/27

ETLING DATE:

CTACO DATE:
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield
STREET: 600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500 TELEPAX: (617) 720-2441
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: 1
                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                          COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
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TOPOLOGY: lir
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ZIP: 02210
                                                                                                                                                                                                                                  CITY: Boston
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87.9%;
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Pred. No. 1.6e-73;
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US/07/881,528

APPLICATION NUMBER:

US/08/221,653

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Sequence 11, Application US/08221653
Patent No. 6.90864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
UNMBER OF SEQUENCES: 147
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US-08-221-653-11
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Best Local S
Matches 299
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-5500
TELEPHONE: (617) 720-2441
                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
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INDIVIDUAL ISOLATE: ns5k1
CURRENT APPLICATION DATA:
                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA
               COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version 3.3 SOFTWARE: WordPerfect 5.1
                                                                                              COUNTRY: U
ZIP: 02210
                                                                                                                              STATE:
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99; Conservative
                                                                                                                                              Boston
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                                                                                                                              Massachusetts
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Pred. No. 1.6e-73;
1; Mismatches 40;
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                                                                                                                                                                                   Sequence 8, Application Patent No. 6214583 GENERAL INFORMATION:
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Best Local Similarity
Matches 299; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                       APPLICANT:
APPLICANT:
                                                          APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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FILING DATE: 8 May 1991
ATTORNEY AGENT INFORMATION:
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APPLICATION NUMBER: 1
FILING DATE:
                                           CORRESPONDENCE ADDRESS:
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                 STREET:
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                              ADDRESSEE:
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SEE: Chiron Corporation
: 4560 Horton Street
Emeryville
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Bruce Irvine
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Pred. No. 1.6e-73;
1; Mismatches 40;
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RESULT 15
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GENERAL INFORMATION:
APPLICANT: Tai-an (
APPLICANT: Eileen i
APPLICANT: Bruce I:
APPLICANT: Janice i
APPLICANT: Michael
                                                                                           Sequence 11, Application US/08442144A Patent No. 6214583
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Best Local !
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FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: DOTEN YATKO TRUJILLO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECHMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFHX: 215-568-3439
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ORIGINAL SOURCE:
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LENGTH: 340 Nucleotides
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PRIOR APPLICATION DATA:
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MEDIUM TYPE: Diskette,
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Similarity 87.9%;
99; Conservative
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Tai-An Cha
Eileen Beall
Bruce Irvine
Janice Kolberg
Michael S. Urdea
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NN: 435
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Pred. No. 1.6e-73;
1; Mismatches 40
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Best Local Similarity 87.9%;
Matches 299; Conservative
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FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,65:
PILING DATE: APRLI 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: WINDOWS NT
SOFTWARE: Microsoft word 97
CURRENT APPLICATION DATA:
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
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STATE: California
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                                                                  TGCGAAGCTCCAGGACTGCACGATGCTCGTGTGCGGTGACGACCTTGTCGTTATCTGTGA 300
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Pred. No. 1.6e-73;
1; Mismatches 40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 340;
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Search completed: January 11, Job time: 83.331 secs

2006, 10:56:29

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 200000000
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                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/1/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

7: /cgn2_6/ptodata/1/ina/PCOMB.seq:*

8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/Backfiles1.seq:*
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Gapop 10.0 , Gapext 1.0
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Copyright (c) 1993 - 2006 Compugen Ltd.
SUMMARIES
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ALIGNMENTS

DIAGNOSTIC

н	US-08 US-08 US-08 ; Seque ; Pate; ; GEN ; AP ; AP ; TT ; TT ; TT
STATE: TEXAS COUNTEX: USA ZIP: 77210-4433 ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy d COMPUTER: IBM PC comp OPERATING SYSTEM: PC- SOFTWARE: MICCOSOFT MICCOSOFT APPLICATION NUMBER: U FILING DATE: 21 Apr PRIOR APPLICATION NUMBER: PFILING DATE: 23 Oct 1 PRIOR APPLICATION NUMBER: PFILING DATE: 21 Oct 1 PRIOR APPLICATION NUMBER: PFILING DATE: 21 Oct 1 PRIOR APPLICATION NUMBER: E FILING DATE: 21 Oct 1 PRIOR APPLICATION NUMBER: E FILING DATE: 28 Jun 1 ATTORNEY/AGENT INFORMATI NAME: KAMMERER, PATRI REGISTRATION NUMBER: E FIREMENCE/DOCKET NUMBER: REFERENCE/DOCKET NUMBER: REFILL NUMBER: REFERENCE/DOCKET NUMBER: REFILL NUMBER: REFILL NUMBER: REFILL NUMBER: REFILL NUMBER: REFILL NU	US-08-836-075A-59 US-08-836-075A-59 Sequence 59, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION: APPLICANT: MAERTENS, GEERT APPLICANT: MAERTENS, GEERT TITLE OF INVENTION: NEW SEQUENCES TITLE OF INVENTION: AND THEIR USE TITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207 CORRESPONDENCE ADDRESS: ANDRESSEE: ARNOLD, WHITE & DURK STREET: P.O. BOX 4433 CITY: HOUSTON
COUNTRY ZIP: 7 ZIP: 7 COMPUTER MEDIUM COMPUTE OPERATI SOFTWAR FILING PRIOR APP APPLICA FILING PRIOR APP APPLICA FILING PRIOR APP APPLICA FILING FILIN	1 36-075A t No. 6 t No. 6 TLE OF TLE OF TLE OF TLE OF TLE OF MBER OF MBER OF MBER OF MBER OF MBER OF MBER OF
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X: TEXAS XY: USA 77210-4433 77210-4433 77210-4433 77210-4433 READABLE FI ARE: IBM PC ING SYSTEM: APPLICATION NUMBE: APPL	Applicati Applicati 180768 ORMATION: SIMMERTEN INVENTION: INVENTION: INVENTION: INVENTION: INVENTION: ARNOL P.O. BOX HOUSTON
COUNTRY: TEXAS COUNTRY: USA ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Ploppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DC SOFTWARE: Microsoft Word 6.0 / CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/836, FILING DATE: 21 Apr 1997 PRIOR APPLICATION NUMBER: PCT/EP95/C FILING DATE: 23 Oct 1995 PRIOR APPLICATION NUMBER: EP 9487016 FILING DATE: 21 Oct 1994 PRIOR APPLICATION NUMBER: EP 9487016 FILING DATE: 21 Oct 1994 PRIOR APPLICATION NUMBER: EP 9587007 FILING DATE: 28 Jun 1995 APPLICATION NUMBER: EP 9587007 FILING DATE: 28 Jun 1995 APPLICATION NUMBER: EP 9587007 FILING DATE: 28 Jun 1995 APPLICATION NUMBER: EP 9587007 FILING DATE: 28 Jun 1995 APPLICATION NUMBER: 1995 FORMATION FOR SEQ ID NO: 59: SEQUENCE CHARACTERISTICS: LENGTH: 652 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO	T 1
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Matches
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                                                                                                                                   GENERAL INFORMATION:

APPLICANT: OKAYAMA, Hiroto

APPLICANT: MORI, Chisato

APPLICANT: MORI, Chisato

APPLICANT: TAKAMIZAWA, Akahisa

APPLICANT: YOSHIDA, Iwao

TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS

TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE

NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:
STREET: 1/2
STREET: 1/2
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
7(P: 20006
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                                                                                  ADDRESSEE: Armstrong, Westerman, Hattori, ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
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PRIOR APPLICATION NUMBER: US 08/099,706
PRIOR APPLICATION NUMBER: US 07/769,996
PRIOR APPLICATION NUMBER: US 07/769,996
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-0CT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
PRIOR APPLICATION NUMBER: US 07/635,451
PRIOR APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
PRIOR DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
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TELEX: 440142
INFORMATION FOR SEQ ID NO:
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NAME/KEY: misc feat
LOCATION: 1..1499
OTHER INFORMATION:
OTHER INFORMATION:
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MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
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CURRENT APPLICATION DATA:
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NAME/KEY:
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LENGTH: 1499 base pair
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FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                              Local Similarity nes 606; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Stevens-Smith, Theres REGISTRATION NUMBER: 36,281 REFERENCE/DOCKET NUMBER: 90
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TELEPAX: (202) 887-0357
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                                                                                                                        GATTTGGGCGTGCCCCCGCGAGACTGCTAGCCGAGTAGTGTTGGGTCGCGAAAAGGCCTTG
                                                     TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCAT
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Pred. No. 2.2e-153;
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RESULT 3
US-08-384-616-3
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                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/384,616
FILING DATE:
CLASSIFICATION ATA:
APPLICATION ATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-0CT-1991
APPLICATION NUMBER: UP 2-167466
FILING DATE: 25-UN-1990
PRIOR APPLICATION NUMBER: UP 2-230921
APPLICATION NUMBER: UP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION NUMBER: UP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
ABBITCATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: OKALALLA APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: HON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDMA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
              FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                PRIOR APPLICATION DATA:
                                                                              APPLICATION NUMBER: JP 2-305605 FILING DATE: 09-NOV-1990
                                                APPLICATION NUMBER: US 07/635,451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: D.C.
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Stevens-Smith, Theresa M.
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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NAME/KEY: misc_feature
LOCATION: 1..1499

OTHER INFORMATION: /note
OTHER INFORMATION: ID NO
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TELEPHONE: (202) 887-0357
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                                                                                GGTCATCGATACCCTCACGTGTTGNTTCGCCGACCTCATGGGGTACATACCG
                                                                                                                                                                                     CCCTTGGCCTCTCTATGGCAATGAGGGCTTAGGGTGGGCAGGATGGCTCCTGTCACCCCG
                                                                                                                                                                                                                       CCCCTGGCCCCTCTATGGTAACGAGGGCTGCGGGTGGGCAGGTNGGCTCCTGTCCCCTCG
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Pred. No. 2.
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US-08-904-686A-3

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                                                                                                                                                                                                                                 TELEFAX: (202) 887-0357 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, AKAhisa
APPLICANT: TAKAMIZAWA, AKAhisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
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PILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 01
FILING DATE: 18-OCT-1994
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MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                    FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: MCLeland, Le-Nhung
REGISTRATION NUMBER: 31,541
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APPLICATION NUMBER:
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APPLICATION NUMBER:
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CURRENT APPLICATION DATA:
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                                                                                 FEATURE:
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                                                                                                                                                  MOLECULE TYPE:
            NAME/KEY: misc_feat
LOCATION: 1..1499
OTHER INFORMATION:
OTHER INFORMATION:
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CITY: Washington
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TOPOLOGY: lir
                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 0 FILING DATE: 02-OCT-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 30-JUL
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                                                                                                LOCATION:
                                                                                                                  NAME/KEY:
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1725 K St. N.W. Suite 1000
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01-AUG-1997
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30-JUL-1993
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                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                 APPLICANT: TAKAMIZAWI
APPLICANT: YOSHIDA, I
TITLE OF INVENTION: N
TITLE OF INVENTION: C
           ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong
                                                                                                                                                                                                                                             APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                             APPLICANT:
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                                                                                    STREET: 1725 K St
CITY: Washington
                                                      COUNTRY:
                                                                        STATE:
COMPUTER:
                                                                                                                      ADDRESSEE:
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                                                                        D.C.
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1725 K St. N.W.
                                                           U.S.A.
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IBM PC compatible
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92.9%;
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Pred. No. 2.2e-
0; Mismatches
              5 in, 1.44Mb
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US-09-315-850-3
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Best Local Similarity
Matches 606; Conserv
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PRIOR APPLICATION NUMBER: JP 2-305605

PRICED DATE: 09-NOV-1990

PRIOR APPLICATION NUMBER: US 08/099,706

PRIOR APPLICATION NUMBER: US 08/099,706

PRIOR APPLICATION NUMBER: US 07/769,996

PRIOR APPLICATION NUMBER: US 07/769,996

PRIOR APPLICATION NUMBER: US 07/769,996

PRIOR APPLICATION NUMBER: US 07/635,451

PRIOR APPLICATION NUMBER: US 07/635,451

PRIOR APPLICATION NUMBER: 31,541

REGISTRATION NUMBER: 31,541

REGISTRATION NUMBER: 31,541

REGISTRATION NUMBER: 31,541
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PEATURE:
NAME/KEY: misc feature
LOCATION: 1.1499
OTHER INFORMATION: /note
OTHER INFORMATION: ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/904,686
FILING DATE: 01-AUG-1997
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APPLICATION NUMBER: US/09/315,850
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LOCATION:
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STRANDEDNESS:
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TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCAT 240
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                                                                                                                     GATTTGGGCGTGCCCCCGCGAGACTGCTAGCCGAGTAGTGTTGGGTCGCGAAAGGCCTTG 274
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92.9%;
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Pred. No. 2.2e-153;
0; Mismatches 46;
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                                                                                                                                                                                                                                                                                                                                                            TYPE: Floppy diskette, 5.25 inch, 360 Kb storage COMPUTER: IBM AT compatible OPERATING SYSTEM: MS-DOS V3.2 SOFTWARE: Wordperfect 5.0 (DOS text)
CURRENT APPLICATION NUMBER: US/np/--
FILING DATE: CLASSIET---
CLASSIET---
CLASSIET---
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GENERAL INFORMATION:
APPLICANT: Highfield, Peter Edmund
APPLICANT: Rodgers, Brian Colin
APPLICANT: Tedder, Richard Seton
APPLICANT: Barbara, John Anthony James
TITLE OF INVENTION: Viral Agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21, Approx No. 6210675
                                                                                                                                                                                                             CLASSIFICATION DATA:
PRIOR APPLICATION UNMBER: 07/628,516
FILING DATE: 17 DEC 1990
APPLICATION NUMBER: UK 89 28 562.1
APPLICATION DATA: 18 DEC 1989
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: UK 90 04 414.0
                                                                                                               APPLICATION NUMBER: UK 90 04
FILING DATE: 27 FEB 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 90 04
FILING DATE: 03 MAR 1990
ATTORNEY/AGENT INFORMATION:
            NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,195
REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 833-5740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2: CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1700 K St
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rothwell, Figg, Ernst & Kurz
                                                                          27,195
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US-08-324-977-1
; Sequence 1, Application US/08324977
; Patent No. 5747339
; GENERAL INFORMATION:
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Best Local (
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SEQUENCE CHARACTERISTICS:
LENGTH: 2116 base pairs
TYPE: nucleotide with corresponding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE: LOCATION: from 308 to 2116 bp start of the PT-NANBH
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APPLICANT: OKAYAMA, Hiroto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: polyprotein OTHER INFORMATION: viral strother information: proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LIBRARY: cDNA clones from 5' end of the
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                                                                                                                   AGTCATCGATACCCTCACATGCGGCTTCGCCGACCTCATGGGGTACATTCCG
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Pred. No. 2.5e-153;
0; Mismatches 46;
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Matches
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PRIOR APPLICATION NUMBER: JP 2-167466

FILLING DATE: 25-UUN-1990

PRIOR APPLICATION NUMBER: JP 2-230921

FILLING DATE: 31-AUG-1990

PRIOR APPLICATION NUMBER: JP 2-230921

FILLING DATE: 31-AUG-1990

PRIOR APPLICATION NUMBER: JP 2-305605

FILLING DATE: 09-NOV-1990

PRIOR APPLICATION NUMBER: US 08/099,706

FILLING DATE: 30-UUL-1993

PRIOR APPLICATION NUMBER: US 07/769,996

FILLING DATE: 02-OCT-1991

PRIOR APPLICATION NUMBER: US 07/769,996

FILLING DATE: 02-OCT-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996

FILLING DATE: 02-OCT-1991

PRIOR APPLICATION DATA:
APPLICATION DATA: 110 07/769,996
                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (202) 887-035
TELEX: 440142
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 07/633,
FILING DATE: 28-DEC-1990
ATTORNEY AGENT INFORMATION:
NAME: Stevens-Smith, Theresa
NAME: Stevens-Smith, 36,881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
                                                                                                                                                                                                                                                                           MOLECULE TYPE: FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/324,977
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 1725 K St
CITY: Washington
STATE: D.C.
                                                                                                                                             Local Similarity
les 606; Conserv
                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: sing
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STREET: 1725 K St. N.W.
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                      TACACCGGAATTGCCAGGACCGGGTCCTTTCTTGGATCAACCCGGCTCAATGCCTGGA 120
 TÁCACCGGAATTGCCAGGACGÁCCGGGTCCTTTCTTGGATCAACCCGCTCAATGCCTGGA
                                                                                                                                                                                                                                                                                                                                                                     9416 base pairs
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MORI, Chisato
TAKAMIZAWA, Akahisa
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                                                                                                                                               Conservative
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333..9362
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                                                                                                                                                                                                                                                                                                                               single
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                                                                                                                                             Score 579.6; DB 2;
Pred. No. 4.2e-153;
0; Mismatches 46;
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US-08-384-616-1
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             APPLICATION NUMBER: US/08/384,616
ETILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: UF 2-167466
FILING DATE: 25-JUN-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: OKAYAMA, Hiroto
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Vers:
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 5
PRIOR APPLICATION DATA
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TELEX: 440142
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 9416 base pairs
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Best Local Similarity
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FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION UMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/ACENT INFORMATION:
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MOLECULE TYPE:
FEATURE:
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LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE:
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 GGTCATCGATACCCTCACGTGTTGNTTCGCCGACCTCATGGGGTACATACCG
                                                        CGGCTCCCGTCCTAGTTGGGGTCCTACTGACCCCCGGCGTAGGTCACGCAATTTGGGTAA
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                                   CGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGTAA
                                                                                                          CCCTTGGCCTCTCTATGGCAATGAGGGCTTAGGGTGGGCAGGATGGCTCCTGTCACCCCG
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333..9362
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Pred. No. 4.2e-153;
0; Mismatches 46;
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Indels Length

Gaps

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600 634 540 574 480 514 420 454 360

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US-08-904-686A-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/904,686A
FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/324,977
FILING DATE: 18-OCT-1994
PRIOR APPLICATION NUMBER: UJ 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                       APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: MCL61and, Le-Nhung
REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 900703G
TELEPHONE: (302) 68-2930
TELEPHONE: (302) 68-2930
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                                                                                                                                       INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 9416 base pairs
TYPE: nucleic acid
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TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
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CURRENT APPLICATION DATA:
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                                                            FEATURE:
                                                                             MOLECULE TYPE:
                 NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Armstrong, Westerman, Hattori, McLeland ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000
                                                                                                     TOPOLOGY:
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MORI, Chisato
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS, Version 5.0
                                                                                                     linear
                                                                                                                                                                                                                           (202) 659-2930
202) 887-0357
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                   GGTCATCGATACCCTCACGTGTTGNTTCGCCGACCTCATGGGGTACATACCG 652
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                                                              CGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGTAA
                                                                                  CGGCTCCCGTCCTAGTTGGGGTCCTACTGACCCCCGGCGTAGGTCACGCAATTTGGGTAA
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GGTCATCGATACCCTCACATGCGGCTTCGCCGATCTCATGGGGTACATTCCG
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92.9%;
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Pred. No. 4.2e-153;
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RESULT 10 US-09-315-850-1 Sequence 1, Application Patent No. 621787 GENERAL INFORMATION: APPLICANT: OKAYAM COMPUTER READABLE FORM: MEDIUM TYPE: Diskette, STREET: 1/2 STREET: Washington CITY: Washington STATE: D.C. " S.A. APPLICANT: MORI, Chisato
APPLICANT: TAKANIZAWA, Akahisa
APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: WON-A, NON-B HEDATITIS VIRUS GENOMIC
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 5-CORRESPONDENCE ADDRESS: APPLICANT: FUKE, Isao ZIP: ADDRESSEE: Naughton STREET: 1725 K St. 1 COMPUTER: ADDRESSEE: 20006 Application US/09315850 OKAYAMA, Hiroto IBM PC compatible Armstrong, Westerman, Hattori, McLeland Z.E. 50 **Suite 1000** 5 in, 1.44Mb

PC-DOS/MS-DOS,

Version 5.0

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US-09-315-850-1
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                          Matches 606; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEFAX: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 07
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: McLeland, Le-Nhung
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APPLICATION NUMBER: JP 2-305605
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FILING DATE: 25-JUN-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
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SOFTWARE: ASCII
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                                                                      GAGCACGAATCCTAAACCTCAAAGAAAAACCAAAAAGAAACACCAACCGCCGCCGCCACAGGA 300
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                                                    GAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAGGA
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Query Match
Best Local Similarity
Matches 606; Conserv
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Patent No. 6433159
                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/453,085
FILING DATE: May 30, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
NAME: Jane Massey Licata
                                                                                                                                                                                         TELEFAX: (609) 810-1454 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 08053
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE,
COMPUTER: IBM 486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                        REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: IS
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: WINDOWS FOR WORKGROUPS SOFTWARE: WORDPERFECT 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Kevin P. TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                      TOPOLOGY:
                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
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                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: Ma
                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/823,895A FILING DATE: March 17, 1997
                                                                                                                                                                                                                           TELEPHONE:
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                                                                                                                                                        LENGTH:
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88.9%;
ilarity 92.9%;
Conservative
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NO
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Compositions A
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 Score 579.6; DB 3;
Pred. No. 4.2e-153;
0; Mismatches 46;
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                                Length 9416;
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RESULT 12
US-08-474-700B-45
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Patent No. 6
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APPLICANT: Wakita, Takaji
APPLICANT: Moradpour, Darius
TITLE OF INVENTION: ANTISENSE INHIBITION OF HEPATITIS
TITLE OF INVENTION: VIRUS
                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,700B FILING DATE: 07-JUN-1995 PRIOR APPLICATION DATA:
                                                                                                                                                   STREET: 225 F
CITY: Boston
STATE: Massac
COUNTRY: U.S.
ZIP: 02110-28
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RESULT 13
US-08-444-818-176
US-08-444-818-176
; Sequence 176, Application US;
; Patent No. 6150087
; GENERAL INFORMATION:
; APPLICANT: Chien, David
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TELEX: 200154
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 780 base pairs
TYPE: nucleic acid
STRANDEDNESS: Bingle
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Best Local 9
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REFERENCE/DOCKET NUMBER: 007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPAX: (617) 542-8906
TELEX: 200164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 10 May 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Fraser, Janis K. REGISTRATION NUMBER: 3
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                          GGTCATCGATACCCTCACGTGTTGNTTCGCCGACCTCATGGGGTACATACCG
                                                                      TGGCTCCCGGCCTAGTTGGGGCCCCAATGACCCCCGGCGTAGGTCGCGTAATTTGGGTAA
                                                                                         CGGCTCCCGTCCTAGTTGGGGTCCTACTGACCCCCGGCGTAGGTCACGCAATTTGGGTAA
                                                                                                                                                                              CCCCTGGCCCCTCTATGGTAACGAGGGCTGCGGGTGGGCAGGTNGGCTCCTGTCCCCTCG
                                                                                                                                                                                                                      GCGACAACCTATCCCCAAGGATCGCCGGCCCGAGGGCAGGGCCTGGGCCTCAGCCTGGGTA
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                                                                                                                                                                                                                                                                                                                               CCCTAGATTGGGTGTGCGCGCAGCGCGGAAGACTTCGGAGCGGTCGCAACCTCGTGGGAG
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 AGTCATCGATACCCTTACATGCGGCTTCGCCGACCTCATGGGGTAGATTCCG
                                                                                                                                            CCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGAAG
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David

US/08444818

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TELEFAX: (508)359-3885
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/403,590
FILING DATE: 14-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPUTER:
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, V
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Harbin, Alisa A.
REGISTRATION NUMBER: 33,895
REFERENCE/DOCKET NUMBER: 01:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)359-3876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: CDNA FEATURE:
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ADDRESSEE: Chiron Corporation
                                                                                                                                                                              FEATURE:
NAME/KEY:
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                            NAME/KEY: misc feat
LOCATION: 3669
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                          FEATURE:
                                                                                                                                                                                                                 NAME/KEY: misc_feat
LOCATION: 2126
OTHER INFORMATION:
OTHER INFORMATION:
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LOCATION: 1319
OTHER INFORMATION:
OTHER INFORMATION:
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LOCATION:
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LOCATION: 351
OTHER INFORMATION: /not
OTHER INFORMATION: at t
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OTHER INFORMATION: /note= "A heterogeneity may exist
OTHER INFORMATION: at this position which is A or G"
                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                         LOCATION: 3659
OTHER INFORMATION:
OTHER INFORMATION:
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   NAME/KEY:
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3659
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2126
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at this position which is C
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at this position which is A
                                 /note= "A heterogeneity may exist at this position which is G or C"
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at this position which is T or C"
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at this position which is A or C"
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RESULT 14 PCT-US91-02225-9

Sequence 9, Application PC/TUS9102225
GENERAL INFORMATION:
APPLICANT: HOUGHTON, MICHAEL
APPLICANT: CHOO, QUI-LIM

APPLICANT: CHOO, QUI-LIM
APPLICANT: KUO, GEORGE
TITLE OF INVENTION: COMBINATIONS OF
TITLE OF INVENTION:

HEPATITIS C VIRUS

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Best Local
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OTHER INFORMATION:
OTHER INFORMATION:
FEATURE:
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                                                                                          CGGCTCCCGTCCTAGTTGGGGTCCTACTGACCCCCGGCGTAGGTCACGCAATTTGGGTAA
                                                                                                                                                           CCCCTGGCCCCTCTATGGTAACGAGGGCTGCGGGTGGGCAGGTNGGCTCCTGTCCCCTCG
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 GGTCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCG
                             GGTCATCGATACCCTCACGTGTTGNTTCGCCGACCTCATGGGGTACATACCG 652
                                                             TGGCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAA
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Pred. No. 5.6e-152;
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Best Local Similarity
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TELEX: 706141
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: CIOTTI, THOMAS E.
REGISTRATION NUMBER: 21,013
REFERENCE/DOCKET NUMBER: 2300
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 327-7250
TELEPAX: (415) 327-2951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: ANTIBODIES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: MOTTISON & Foerster
STREET: 545 Middlefield Road, (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 9401 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC:
FILING DATE: 19910329
CLASSIFICATION: 435
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MOLECULE TYPE:
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CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                     481
                                                                                      421
                                                                                                                       464
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CCCCTGGCCCCTCTATGGTAACGAGGGCTGCGGGTGGGCAGGTNGGCTCCTGTCCCCTCG
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                                                      ACGTCAGCCTATCCCCAAGGCTCGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTA
                                                                                      GCGCCAACCTATTCCCAAGGAGCGCCGACCCGAGGGCAGGTCCTGGGCGCAGCCCGGGTA 480
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Pred. No. 5.6e-152;
2; Mismatches 48;
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                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION UNMBER: US/08/470,426B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-153402
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47083.1
                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (202) 659-1462
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Okamoto, Hi
APPLICANT: Nakamura, 7
TITLE OF INVENTION: OF
TITLE OF INVENTION: HI
TITLE OF INVENTION: HI
NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
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CITY: Washington
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                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
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EDNESS: single
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                       GATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGTGTTGGGTCGCGAAAAGGCCTTG
                                                                         TACACCGGAATTGCCAGGACGACCGGTCCTTTCTTGGATAAACCCGGTCAATGCCTGGA
                                                                                            TACACCGGAATTGCCAGGACGACCGGGTCCTTTCTTGGATCAACCCGCTCAATGCCTGGA
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OLIGONUCLEOTIDE PRIMERS, AND THEIR
APPLICATION FOR HIGH-FIDELITY DETECTION OF NON-A, NON-B
HEPATITIS VIRUS
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Search completed: January 11, 2006, 10:56:31 Job time : 159.882 secs

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Copyright

GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd.

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Result
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1: /cgn2_6/ptodata/l/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/l/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/l/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/l/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/l/ina/PCTUS_COMB.seq:*

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7: /cgn2_6/ptodata/l/ina/PCOMB.seq:*

8: /cgn2_6/ptodata/l/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/l/ina/Backfiles1.seq:*
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US-08-441-971-6
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US-08-442-144A-2
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US-08-441-970-3
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US-08-9-37-65-19
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ALIGNMENTS

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70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8	70.8	70.8	70.8
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US-08-444-818-74	US-08-444-818-65	PCT-US94-04174-1	PCT-US91-02370-1	US-08-485-500-1	US-08-407-410B-1	US-08-184-236-1	US-07-681-703B-1	US-07-853-985A-1	US-08-441-970-4	US-08-441-970-1	US-08-442-144A-4	US-08-442-144A-1	US-08-221-653-4	US-08-221-653-1	US-08-441-971-4	US-08-441-971-1	US-09-034-756-5	US-08-811-566-5	US-10-259-275-17	US-09-034-756-1
•	Sequence 65, Appl	Sequence 1, Appli	Sequence 4, Appli	Sequence 1, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 17, Appl	Sequence 1, Appli												

Sequence 61, Applicat Patent No. 6180768 GENERAL INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775 REGISTRATION CRET NUMBER: IND REFERENCE/DOCKET NUMBER: INT INFORMATION FOR SEQ ID NO: 61: APPLICANT: MAERTENS, C APPLICANT: STUYVER, LI TITLE OF INVENTION: NI TITLE OF INVENTION: AN TITLE OF INVENTION: AN APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft word 6.0 / ASCII text output CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: COUNTRY: USA ZIP: 77210-4433 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk TOPOLOGY: 1 MOLECULE TYPE: SEQUENCE CHARACTERISTICS: LENGTH: 340 base pairs APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: HYPOTHETICAL: TYPE: nucleic acid STRANDEDNESS: single CITY: HOUSTON ADDRESSEE: STREET: P. 1, Application US/08836075A 6180768 TEXAS P.O. linear ARNOLD, WH O. BOX 4433 AGENTS 207 NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC A LIEVEN GEERT WHITE & DURKEE INNS:004 THERAPEUTIC AND DIAGNOSTIC

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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 340; Conservative
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANTI-SENSE:
                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                 APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                          FILING DATE: 16-MAY-
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                            SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
              TELEFAX: E
                                                                                               NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                         FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER:
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            EZEKIEL
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                                (617) 720-2441
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100.0%; Pr
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FILING DATE:

PILING DATE: 07/697,326

PILING DATE: 8 May 1991

ATTORNEY/AGENT INFORMATION:

NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809

REFERENCE/DOCKET NUMBER:

C0772/7000

PRIOR APPLICATION DATA:

US/07/881,528

FILING DATE: CLASSIFICATION: APPLICATION NUMBER:

435

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: LBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WOrdPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653

CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &

Sacks,

600 Atlantic Avenue

COUNTRY: CITY: Boston STREET:

USA

Massachusetts

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RESULT 3
US-08-221-653-6
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                                                                            Sequence 6, Application US/08221653 Patent No. 6190864
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Best Local Similarity
                                                             GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
TITLE OF TOTAL PROPERTY 147
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                  GAGTGTAGGGACCCAGGAGGATGCGGCGAGCCTGCGAGCC 340
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Pred. No. 3.3e-62;
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               SEQUENCES FOR AND THERAPEUTICS
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RESULT 4
US-08-442-144A-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application US/08442144A Patent No. 6214583 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 281; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                         APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OP INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
ORIGINAL SOURCE:
                                                    COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
APPLICATION NUMBER: U
FILING DATE: MAY 16,
CLASSIFICATION: 435
                                                                                                                                                                                                        ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
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82.6%;
                      US/08/442,144A
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                                                                                                                                    3.5 Inch
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Pred. No. 3.3e-62;
0; Mismatches 59;
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                                                                                                                                                                                                                                                                                                                 Sequence 6, Application US/08441970 Patent No. 6297370
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: DOTEEN YATKO TRUJILO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-588-3100
TELEPHONE: 215-588-3100
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Tai-An Cha
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
COMPUTER: ISM MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                                                                                                                         TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                            STATE: M
                                                                                                                                            STREET: 600 /
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                                                                                                                               Massachusetts
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Pred. No. 3.3e-62;
                                                                                                                                                                                                                                         SEQUENCES FOR AND THERAPEUTICS
                                                                                                                                                                                     Sacks,
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CURRENT APPLICATION DATA

US/08/441,970

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RESULT 6
US-08-441-971-2
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Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                               TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS: ADDRESS: Wolf, Greenfield & ADDRESSEE: Wolf, Wolf,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS: LENGTH: 340 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
ORIGINAL SOURCE:
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APPLICATION NUMBER:
FILING DATE: 08-MAY-
                                                                                                 STREET: 600 A
CITY: Boston
STATE: Massac
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                                COUNTRY: U:
ZIP: 02210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301
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Similarity 82.6%;
81; Conservative
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                                                                                                 Massachusetts
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                                                                                                                                                                     600 Atlantic Avenue
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Pred. No. 3.3e-62;
0; Mismatches 59;
                                                                                                                                                                                                         & Sacks,
                                                                                                                                                                                                                                                                                                                  SEQUENCES FOR AND THERAPEUTICS
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         Sequence 3, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTI
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2441
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ORIGINAL SOURCE:
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LENGTH: 340 nucleotides
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OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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PRIOR APPLICATION NUMBER: (
APPLICATION NUMBER: (
CORRESPONDENCE ADDRESS:
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STRANDEDNESS: single
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE: 16-MAN
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Pred. No. 8.5e-61;
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RESULT 8
US-08-221-653-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKT NUMBER: CO:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
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CURRENT APPLICATION DATA:
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TELEFAX: (617) 720-2441
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APPLICATION NUMBER:
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Similarity 81.8%;
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   Application US/08221653
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IBM compatible
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Pred. No. 8.5e-61;
0; Mismatches 62
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US-08-221-653-2
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Best Local Similarity
Matches 278; Conserv
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GENERAL INFORMATION:

APPLICANT: Tai-An Cha
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881
FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
ORIGINAL SOURCE:
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MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INDIVIDUAL ISOLATE:
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                                                                                                                                                                              181 GACAACCAGCTGCGGCAACACCCTCACCTGCTATATCAAGGCCCTAGCAGCCTGTAGAGC 240
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                                                                                                                                                                                                                                                                 121 CTTGACCAATTCAAAAGGGGAGAACTGCGGCTATCGCAGATGCCGTGCCAGCGGCGTCTT 180
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GAGTGTAGGGACCCAGGAGGATGCGGCGAGCCTGCGAGCC 340
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                                                                                           TGCCAAGCTCCAGGACTGCACCATGCTCGTCTGTGGCGACCACCTGGTCGTGATCTGCGA 300
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Pred. No. 8.5e-61;
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Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                       Query Match
''ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 3:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                     Local Simhes 278;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Diskette, 5.25 inch COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
241 TGCCAAGCTCCAGGACTGCACCATGCTCGTCTGTGGCGACGACCTGGTCGTGATCTGCGA
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                                                                                  181 GACAACCAGCTGCGGCAACACCCTCACCTGCTATATCAAGGCCCTAGCAGCCTGTAGAGC
                                                                                                                   121 TCTTACCAATTCAAGGGGGGAGAACTGCGGCTACCGCAGGTGCCGGGCGAGCGGCGTACT
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                                                   GACAACTAGCTGTGGTAATACCCCTCACTTGCTACATCAAGGCCCGGGCAGCCTGTCGAGC
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Pred. No. 8.5e
0; Mismatches
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Patent No. 621458
                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA: APPLICATION UNMBER: US/08/442, FILING DATE: MAY 16, 1995 CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
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ADDRESSEE: Chiron Corporation
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                                                                                                                                                                                                       Local Simhes 278;
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                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                              TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Doreen Yatko Trujillo
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                   121 CTTGACCAATTCAAAAGGGGAGAACTGCGGCCTATCGCAGATGCCGTGCCAGCGGCGTCTT 180
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                                                                  61 GGACCCCCAAGCCCGCATGGCCATCAAGTCCCTCACTGAGAGGCTTTATGTCGGGGGCCC 120
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                                                                                                                                                                                                                         Similarity
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TCTTACCAATTCAAGGGGGGAGAACTGCGGCTACCGCAGGTGCCGCGCGAGCGGCGTACT
                                                                                           GCACCCGAAGCACGTGTAGCCATCAAGTCTTTGACTGAAAGGCTGTACGTCGGGGGGCC
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Eileen Beall
                                                                                                                                                                                                         Conservative
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                                                                                                                                                                                                                                                                                                                                               Linear
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                                                                                                                                                                                                                     70.8%;
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Pred. No. 8.
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                                                                      Matches
                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/221,65
FILING DATE: APRIL 1, 1994
ATTORNSY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
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APPLICANT:
                                                                                                                                                     MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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                                                                  Local Sinches 278;
                                                                                                                                                                                                                                                                                                                                   TELEFAX: 215-568-3439
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                                                                                      Similarity
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                       CTCAACGGTCACTGAAGCTGATATCCGAACAGAGGAGTCCATATACCAATGCTGTGACCT 60
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CTCCACAGTCACTGAGAGCGACATCCGTACGGAGGAGGCAATCTACCAATGTTGTGATCT
                                                                                                                                                                                                                                                            340 Nucleotides
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                                                                      Conservative
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60 Horton Street
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81.8%;
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                                                                  Score 240.8; DB 3;
Pred. No. 8.5e-61;
0; Mismatches 62;
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                                                                                                     DB 3;
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; INDIVIDUAL ISOLATE: US-08-441-970-2
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Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
Query Match
Best Local Similarity
Matches 278; Conserv
                                                                                                                                                                                                                                                   TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 07/881,528
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT IMPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: HCV GENOMIC SEQUENCES I
TITLE OF INVENTION: DIAGNOSTICS AND THERAPH
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEB: Wolf, Greenfield & Sacks, P.C.
                                                                                                                 MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                    TELEFAX:
                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 29, REFERENCE/DOCKET NUMBER:
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                   70.8%;
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Score 240.8; DB 3;
Pred. No. 8.5e-61;
0; Mismatches 62;
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                                     Length 340;
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Conservative

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RESULT 13
US-08-441-970-3
; Sequence 3, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
    APPLICANT: Tai-An Cha
    APPLICANT: Tai-An Cha
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                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                                                                                                                                                REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: COTELECOMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
               MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
TYPE: nucleic acid
                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 07/697,326 FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 08-MAY-
                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: WordPerfect CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/441,970 FILING DATE: 16-MAY-1995 CLASSIFICATION: 536
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OPERATING SYSTEM:
                                                 STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                         NAME:
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INDIVIDUAL ISOLATE:
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Massachusetts
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US-09-208-140-1
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Patent No. 6228576
GENERAL INFORMATION:
APPLICANT: Del Vecchio, Alfred
TITLE OF INVENTION: HEPATITIS C VIRUS NS5B TRUNCATED PROTEIN
TITLE OF INVENTION: AND METHODS THEREOF TO IDENTIFY ANTIVIRAL
FILE REFERENCE: P50743
                                                                                                                                                                                                                                                                                                      Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/208,140
CURRENT FILING DATE: 1998-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: FAST-SEQ for Windows Version 3.0
SEQ ID NO 1
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Patent No. 6228576
GENERAL INFORMATION:
APPLICANT: Del Vecchio, Alfred
TITLE OF INVENTION: HEPATITIS C VIRUS NS5B TRUNCATED PROTEIN
TITLE OF INVENTION: AND METHODS THEREOF TO IDENTIFY ANTIVIRAL COMPOUNDS
FILE REFERENCE: P50743
CURRENT APPLICATION NUMBER: US/09/208,140
CURRENT FILING DATE: 1998-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 1710
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US-08-441-970-12
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US-08-441-971-11
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US-08-191-160-22
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US-08-441-971-6
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US-08-836-075A-63

Application US/08836075A 6180768

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Sequence 6, Appli	Sequence 25, Appl	Sequence 24, Appl	Sequence 7, Appli	Sequence 6, Appli	Sequence 4, Appli	Sequence 28, Appl	Sequence 22, Appl	Sequence 7, Appli	Sequence 3, Appli	Sequence 6, Appli	Sequence 5, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 10, Appl	Sequence 41, Appl	•	Sequence 10, Appl	•	Sequence 10, Appl

Sequence 63, Applicat Patent No. 6180768 GENERAL INFORMATION: MEDIUM TYPE: Flopy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text out CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: PFILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATIO REGISTRATION NUMBER: 29,775 REFERENCE/DOCKET NUMBER: INI INFORMATION FOR SEQ ID NO: 63: APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SEQUITITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207 TOPOLOGY: 1: MOLECULE TYPE: SEQUENCE CHARACTERISTICS COMPUTER READABLE FORM: MEDIUM TYPE: Floppy CORRESPONDENCE ADDRESS: STRANDEDNESS: single COUNTRY: USA ZIP: 77210-4433 STREET: P.O. I TYPE: nucleic acid ADDRESSEE: ARNOLD, WH STREET: P.O. BOX 4433 LENGTH: NAME: KAMMERER, PATRICIA A. TEXAS 340 base pairs linear NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC A HITE & DURKEE INNS:004 output THERAPEUTIC AND DIAGNOSTIC

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Best Local Similarity
Matches 328; Conserv
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INFORMATION FOR SEQ ID NO:
                              NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                            SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
                                                                                                                                   FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                         FILING DATE: 16-MAY-1
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
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ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                         FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM com
OPERATING SYSTEM:
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Best Local Similarity
Matches 282; Conserv
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APPLICATION NUMBER: US/07/881
FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
                                                                                                                                                                                                      OPERATING SYSTEM: MS-DOS Version 3.3
SOPTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5
COMPUTER: IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
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ORIGINAL SOURCE:
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LENGTH: 340 nucleotides
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                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Tai-An Cha
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TOPOLOGY: li
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5sp3
                                                                                                            ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                          APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTI
                                          COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
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TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                             STREET: 4560 Hort
CITY: Emeryville
STATE: California
APPLICATION NUMBER: US/08/442,144A FILING DATE: MAY 16, 1995 CLASSIFICATION: 435
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                                                                                                                                                                 COUNTRY:
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 CURRENT APPLICATION DATA
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; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INUTIOUAL ISOLATE: ne5sp3
US-08-442-144A-12
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APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
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SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
TYPE: Nucleic Acid
                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre
                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version 3.3 SOFTWARE: WordPerfect 5.1
                                                                                                                                                              STATE: Massachusetts
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                                                                                                                                                                                                      600 Atlantic Avenue
                                                                                                                                      USA
                                                                                                                                                                                                                           Greenfield & Sacks, P.C.
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86.0%;
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                                                                    5.25 inch
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Pred. No. 2.5e-71;
0; Mismatches 46;
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CLASSIFICATION: 536 PRIOR APPLICATION DATA:

07/881,528

FILING DATE:

APPLICATION NUMBER: US/08/441,970

16-MAY-1995

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                                                                                                                                                                                                    Sequence 11, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 07/88
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/68
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                    APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500 TELEFAX: (617) 720-2441
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29, REFERENCE/DOCKET NUMBER:
                 COUNTRY: UZIP: 02210
                                                   CITY: Boston
STATE: Massa
                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 340 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                         ATCGAGGGGNTCCANGAGGATCCGTCGA 329
                                                                                                                                                                                                                                                                                                                                                                                                                                  GCGAAGCTCCAGGATTGCTCAATGCTCGTCTGTGGCGACGACCTTGTCGTTATCTGCGAG
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                                                Massachusetts
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                                                                                    600 Atlantic
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86.0%;
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                                                                                     Avenue
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Pred. No. 2.5e-71;
0; Mismatches 46;
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                                                                                                                                                      SEQUENCES FOR AND THERAPEUTICS
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US-08-221-653-11
                RESULT 7
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Best Local Similarity
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APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
ATTORNEY/AGENT NAMEE: 07772/7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER: IF
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                                                                                                                                                                                                                                                                                                          CTGACAAACTCAAAAGGGCAGAACTGCGGCTACCGCCGATGCCGTGCAAGCGGCGTCCTG
                                                                                                                                                                                                                                                                                                                                                                                                              TCCACAGTCACTGAGAGTGACATCCGTGTTGAGGAGTCAATTTACCAATGTTGTGACTTG
                                                                                                 ATCGAGGGUTCCANGAGGATCCGTCGA 329
                                                                                                                                                                     GCGAAGCTCCAGGATTGCTCAATGCTCGTCTGTGGCGACGACCTTGTCGTTATCTGCGAG
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                                                                   AGCGCGGGAACCCCAAGAGGACGCGGCGA 329
                                                                                                                                     GCGAAGCTCCAGGACTGCACGATGCTCGTGTGCGGTGACGACCTTGTCGTTATCTGTGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       340 nucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
PE: DNA
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SYSTEM: MS-DOS Version
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              72.4%;
84.1%;
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Pred. No. 2.8e-68;
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Sequence 11, Application US/08221653
PATENT NO. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147

301 241 241 181 181 121 121 61 61 0

CORRESPONDENCE ADDRESS:

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RESULT 8
US -08-442-144A-11
; Sequence 11, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5sp1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM compatib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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STREET: STREET: Massac
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                    242
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Similarity 84.1%;
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                                                                                                                    AGCGCGGAACCCAAGAGGACGCGGCGA 329
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OPERATING SYSTEM: Windows NT
SOFTWARE: MICROSOft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,14
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: CH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TORNEY AGENT ATTUTION NAME: Doreen Yatko Trujillo REGISTRATION NUMBER: 35,719
REGISTRATION NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
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STRANDEDNESS: Sing
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                      ATCGAGGGGNTCCANGAGGATCCGTCGA 329
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                                                                                                                                                                                                                                                                                                        GCCCCCGAAGCCAGACAGGCTATAAGGTCGCTCACAGAGCGGCTGTACATCGGGGGTCCC
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AGCGCGGGAACCCAAGAGGACGCGGCGA 329
                                                                            GCGAAGCTCCAGGACTGCACGATGCTCGTGTGCGGTGACGACCTTGTCGTTATCTGTGAG
                                                                                                          GCGAAGCTCCAGGATTGCTCAATGCTCGTCTGTGGCGACGACCTTGTCGTTATCTGCGAG
                                                                                                                                                  ACGACTAGCTGCGGTAACACCCTCACATGTTACTTGAAGGCCTCTGCGGCCTGTCGAGCT
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Pred. No. 2.8e-68;
wismatches 52;
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 07/881,528
APPLICATION NUMBER: 07/697,326
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                             Local
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TELEX: EZEKIEL
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GCGAAGCTCCAGGATTGCTCAATGCTCGTCTGTGGCGACCTTGTCGTTATCTGCGAG
                                                                 ACGACTAGCTGCGGCAACACCCTCACCTGTTACATAAAGGCCAGGGCAGCCTGTCGAGCT 241
                                                                                                                            ACGACTAGCTGCGGTAACACCCTCACATGTTACTTGAAGGCCTCTGCGGCCTGTCGAGCT
                                                                                                            CTGACTAATTCAAAAGGGCAGAACTGCGGCTATCGCCGGTGCCGCGAAGCGGCGTGCTG
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                                                                                                                                                                                                                                                                                               Conservative
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Pred. No. 2.8e-68;
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Query Match
Best Local Similarity
Matches 276; Conserv
                                                                                                                                                                                                                                                                                                                                              TELEFAX: (202) 833-5744 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Highfi
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APPLICATION NUMBER: UK 90 04 414.0
FILING DATE: 27 FEB 1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM AT compatible OPERATING SYSTEM: MS-DOS V3.2 SOFTWARE: Wordperfect 5.0 (DOS text) CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/191,160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette, 5.25 inch, 360 Kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Barbara, John Anthon
TITLE OF INVENTION: Viral Agent
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
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                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                              NAME: B. Anthony Figg
REGISTRATION NUMBER: 27,195
REFERENCE/DOCKET NUMBER: 16-
TELECOMMUNICATION INFORMATION:
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PRIOR APPLICATION NUMBER:
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                                                                                                                                                                                         IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER:
FILING DATE: 18 DEC
                                                                                 LOCATION: polyprotein OTHER INFORMATION: pro
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                                                                                                                                                                          LIBRARY:
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                                                                                                                                         LOCATION:
                                                                                                                                                                                                            ORGANISM:
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                                                                                                                                                                                                                                                                                              TYPE:
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Tedder, Richard Seton
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Rodgers, Brian Colin
                                                                                                                                                                       clone JG2 from cDNA library in lambda gtl1
                                                                                                                                                                                                         human; serum infectious for PT-NANBH
                                                                                                                                                                                                                                                              linear
                                                                                                                                     from 1 to 1770 bp portion of the PT-NANBH
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                                                                                                                                                                                                                                                                                                                                                                                  (202) 833-5740
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84.1%;
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                                                                                   probably encodes viral non-structural proteins
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Score 246; DB 3; Length 1770; Pred. No. 5.3e-68; 0; Mismatches 52; Indels
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RESULT 11
US-08-191-160-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
               TELEFAX: (202) 833-5744
INFORMATION FOR SEQ ID NO: 22:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Tedder, Richard Seton
APPLICANT: Barbara, John Anthony James
TITLE OF INVENTION: Viral Agent
                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Wordperfect 5.0 (DOS text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/191,160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
SEQUENCE CHARACTERISTICS:
                                               REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 833-5740
                                                                                                                                                                                           APPLICATION NUMBER: UK 90 FILING DATE: 27 FEB 1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 07/62
FILING DATE: 17 DEC 1990
APPLICATION NUMBER: UK 89
FILING DATE: 18 DEC 1989
                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy diskette,
COMPUTER: IBM AT compatible
OPERATING SYSTEM: MS-DOS V3.2
                                                                                                                                      APPLICATION NUMBER: UK 90 FILING DATE: 03 MAR 1990 TIORNEY/AGENT INFORMATION:
                                                                                                    NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,195
                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE:
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Tedder, Richard Seton
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RESULT 12
US-08-836-075A-57
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                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 57, Applicat Patent No. 6180768 GENERAL INFORMATION:
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                                                                            ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
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ORIGINAL SOURCE:
            APPLICATION NUMBER: FILING DATE: 21 Apr PRIOR APPLICATION DATA: APPLICATION NUMBER:
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LOCATION: polyprot
OTHER INFORMATION:
                                                                                                                                                                                  COUNTRY: USA
ZIP: 77210-4433
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TOPOLOGY: lin
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FILING DATE:
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                                                                                                                                                                                                                        TEXAS
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polyprotein
NRMATION: viral non-structural proteins
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                                               21 Apr 1997
23 Oct 1995
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84.1%;
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              PCT/EP95/04155
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Pred. No. 7.1e-68;
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                                                                                                  / ASCII text output
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APPLICATION NUMBER: EP 9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:

EP 94870166.9

PRIOR APPLICATION DATA:

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US-09-014-416-4
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FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 57:
               SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 9595
TYPE: DNA
ORGANISM: Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4, Application US/09014416 Patent No. 6153421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 71.8%;
Best Local Similarity 83.5%;
Matches 274; Conservative
                                                                                                                      CURRENT APPLICATION NUMBER: US/09/014,416
CURRENT FILING DATE: 1998-01-27
EARLIER APPLICATION NUMBER: US 60/053,062
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                          APPLICANT: Emerson, Susanne U.
APPLICANT: PUTCE11, Robert H.
TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 20264276
                                                                                                                                                                                                                                                                                                                                 APPLICANT: Yanagi, Masayuki
APPLICANT: Bukh, Jens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: C
HYPOTHETICAL: NO
ANTI-SENSE: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 340 base pairs
TYPE: nucleic acid
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Pred. No. 1.2e-67;
1; Mismatches 53
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 no.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 6, Application US/08441971
Patent No. 6071693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
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                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/221,65:
FILING DATE:
APPLICATION NUMBER: US/07/881,521
FILING DATE:
APPLICATION NUMBER: 07/697,326
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                  REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: WordDerfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE: 16-MA
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              340 nucleotides
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83.8%;
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                                                                                                                                                                                                                                                                US/07/881,528
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Pred. No. 6.8e-67;
0; Mismatches 53
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RESULT 15
US-08-221-653-6
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Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 71.4
Best Local Similarity 83.5
Matches 274; Conservative
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881
FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: lin
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                           COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Boston
STATE: Massac
                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             302
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              122 CTTACCAATTCAAGGGGGGAGAACTGCGGCTACCGCAGGTGCCGCGCAAGCGGCGTACTG
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Pred. No. 2.9e-67;
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Best Local Similarity 83.5%;
Matches 274; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nuclectide
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                 GCGAAGCTCCAGGATTGCTCAATGCTCGTCTGTGGCGACGACCTTGTCGTTATCTGCGAG 301
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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
/cgn2_6/ptodata/1/ina/6h_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
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US-08-470-42CB-14
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US-08-927-597-49
US-08-927-597-49
US-08-927-608-6
US-08-191-10-204E-96
US-08-470-42CB-17
US-08-150-204E-96
US-08-470-42CB-17
US-09-539-601-12
US-09-539-601-25
US-09-539-601-25
US-09-539-601-31
US-08-462-195-3
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US-08-462-195-3
US-08-462-195-3
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Sequence 65, Appl
Sequence 14, Appl
Sequence 4, Appli
Sequence 49, Appli
Sequence 49, Appli
Sequence 49, Appli
Sequence 49, Appli
Sequence 21, Appli
Sequence 17, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 19, Appli
Sequence 25, Appl
Sequence 25, Appl
Sequence 31, Appli
Sequence 11, Appli
Sequence 11, Appli
Sequence 12, Appli
Sequence 13, Appli
Sequence 14, Appli
Sequence 15, Appli
Sequence 16, Appli
Sequence 17, Appli
Sequence 18, Appli
Sequence 19, Appli
Sequence 19, Appli
Sequence 19, Appli
Sequence 19, Appli
Sequence 3, Appli
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US-08-836-075A-65
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GENERAL INFORMATION:
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ALIGNMENTS

5, Application US/08836075A 6180768

OF HEPATITIS C VIRUS GENOTYPES
AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC

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COUNTRY: USA3

ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MICTOSOft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: PS 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/ACENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 1NOS.65.7
REGISTRATION POR SEO IN NOS.65.7
REGISTRATION POR SEO IN NOS.65.7
                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: MAERTENS, GEERT APPLICANT: STUTYVER, LIEVEN TITLE OF INVENTION: AND THEI TITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207
                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
TOPOLOGY: 1
MOLECULE TYPE:
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                                         STRANDEDNESS: single
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US-08-836-075A-65
                                                                                                                    RESULT 2
US-08-470-426B-14
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Best Local Similarity
Matches 831; Conser
                                                                 Sequence 14, Application Patent No. 5856458 GENERAL INFORMATION:
   APPLICANT: Okamoto, Hiroaki
APPLICANT: Nakamura, Tetsuo
TITLE OF INVENTION: OLIGONU
TITLE OF INVENTION: APPLICA
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OLIGONUCLEOTIDE PRIMERS, AND THEIR
APPLICATION FOR HIGH-FIDELITY DETECTION
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Matches 733; Conserv
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Best Local
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FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
CLASSIFICATION 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-153402
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REGISTRATION NUMBER: 20,531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (202) 659-1462 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: DAMPED POSS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 1863 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47083.1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: HE NUMBER OF SEQUENCES: 3 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Beveridge, DeGrandi, Weilacl
ADDRESSEE: L.I.F.
STREET: 1850 M Street, N.W., Suite 800
CITY: Washington
STATE: DC
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                        TACATTCCGCTCGTCGGCGCCCCCTAGGGGGCGTTGCCAGGGCCCTG-------
                                                                                                                                                                                                                          TGGGCTCAGCCCGGGTACCCTTGGCCCCTCTATGGCAATGAGGGCATGGGTTGGGCAGGG
                                                                                                                                                                                                                                                                                             TCGCAACCTCGTGGGAGGCGACAGCCTATCCCCAAGGCTCGCCGATCCGAGGGCAGGTCC
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                                                                                           TCGCGTAATTTGGGTAAGGTCATCGATACCCTCACATGCGGCTTCGCCGACCTCATGGGG
                                                                                                                                       TGGCTCCTGTCACCCCGCGGCTCCCGGCCTAGTTGGGGCCCCCACGGACCCCCGGCGTAGG
                                                                                                                                                         TGGCTCCTGTCCCCCCATGGCTCCCGGCCTAGTTGGGGCCCTTCAGACCCCCGGCGTAGG
                                                                                                                                                                                                         TGGGCTCAGCCCGGGTACCCTTTGGCCCCTCTATGGCAATGAGGGCTTGGGGTGGGCAGGA
      TATATTCCCCTCGTCGCCCCCCCCCTAGGGGGCGCTGCCAGGGCCTTGGCACACGGTGTC
                                                                        TCGCGTAACTTGGGTAAGGTCATCGATACCCTTACATGCGGCTTCGCCGATCTCATGGGG
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76.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 536.8; DB 2;
Pred. No. 1.7e-151;
0; Mismatches 98;
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Indels 128; Length 1863

468

420 669

729

609

489 180 429 120 369 60

549

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APPLICANT: Bukh, Jens
APPLICANT: Bukh, Jens
APPLICANT: Bukh, Jens
APPLICANT: Bukh, Jens
APPLICANT: Parcell, Robert H.
FITILE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VI
FILE REFERENCE: 20264276
CURRENT FILING DATE: 1998-01-27
EARLIER APPLICATION NUMBER: US/09/014,416
CURRENT FILING DATE: 1998-01-27
EARLIER APPLICATION NUMBER: US 60/053,062
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 9595
TYPE: DNA
ORGANISM: Hepatitis C virus
US-09-014-416-4
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US-09-014-416-4
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                                                                                                                                                                                       Query Match
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               CTGTTGCCGCGCAGGGGCCCTAGATTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGG
                                                                             AACCGCCGCCCACAGGACGTCAAGTTCCCGGGCGGTGGCCAGATCGTCGGTGGAGTTTAC
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CTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGGCTTCCGAGCGG
                                                                                                                                                               Conservative
                                                                                                                                                             64.4%; Score 535.2; DB 3; 76.3%; Pred. No. 1.1e-150; tive 0; Mismatches 99;
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CGCCAGNACTACACAGTGCAAGACTGCAATTGTTCCATCTACCCCCGGCCATATAAACGGG 831
                                                          TACGTGGGGGATCTTTTCCTCGTCTCCCAGCTGTTCACCTTCTCGCCT 1226
                                                                               TATGTGGGGGACCTCTGTGGGGTCCGTCCTTCCTCGTCGGCCAACTGTTCACCTTCACAWCC
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RESULT 4
US-09-014-416-6
; Sequence 6, Application US/09014416
; Patent No. 6153421
; GENERAL INFORMATION:
; APPLICANT: Yanagi, Masayuki
; APPLICANT: Bukh, Jens
; APPLICANT: Bukh, Jens
; APPLICANT: Durcell, Robert H.
; APPLICANT: Purcell, Robert H.
; APPLICANT: Purcell, Robert H.
; APPLICANT: Purcell, ROBERT H.
; TITLE OF INVENTION: USES THEREOF
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 20264276
; CURRENT APPLICATION NUMBER: US/09/014,416
; CURRENT FILING DATE: 1998-01-27
; BARLIER APPLICATION NUMBER: US 60/053,062
; EARLIER FILING DATE: 1997-07-18
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6

AND

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; TYPE: DNA; ORGANISM: Hepatitis US-09-014-416-6
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CGCCGGCATGAGACAGTGCAGGACTGCAACTGCTCAATCTATCCCGGCCATGTATCAGG
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RESULT 5
US-08-612-973-49
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Best Local
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                                                                                                                                                                                                                                                                                                                      NAME/KEY:
LOCATION:
FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/612,973
FILING DATE: 11-MAR-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 2433 base pairs
TYPE: nucleic acid
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NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PURLFIED
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 111
                                                                                                                                                                                                                                                                                                                                                                                    ANTI-SENSE:
FEATURE:
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MOLECULE TYPE:
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CITY: ARLINGTON
STATE: VIRGINIA
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    AGGCGACAGCCTATCCCCAAGGCTCGCCGATCCGAGGGCAGGTCCTGGGCTCAGCCCGGG
                                     GGCCCAGGTTGGGTGTGCGCGCGAGCTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGG
                                                                    GGCCCTAGATTGGGTGTGCGCGCGACTAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGG
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1100 NORTH GLEBE ROAD
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(703) 816-4100
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DE MARTYNOFF,
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76.8%;
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Pred. No. 2.6e-150;
^- Mismatches 91;
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                                                                                                                                                                                                                                                        Length 2433;
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RESULT 6
US-08-927-597-49
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             ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                    APPLICANT: BOSMAN, FONS
APPLICANT: BOSMAN, FONS
APPLICANT: BUYSE, MARIE-ANGE
TITLE OF INVENTION: PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE; NIXON & VANDERWYTT
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PatentIn Release #1.0,
Version #1.25
(EPO)
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US-08-927-597-49
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Best Local Similarity 76.8
Matches 725; Conservative
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ETILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (703) 816-400
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: (
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LENGTH: 2433 base pair
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/927,597
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                                                                                                                                                      GGCGCCCCCTAGGGGGCGTTGCCAGGGCCCTTGGCGCAAGGC-----
                                                                                                                                                                                                       AAGGTCATCGATACCCTTACATGCGGCTTCGCCGACCTCGTGGGGTACATTCCGCTCGTC
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Pred. No. 2.6e-150;
0; Mismatches 91;
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RESULT 7
US-08-928-757-49
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                                                                             INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 2433 base pa
                                                                                                                      COMPUTER: IBM PC FOOD ACTION OF THE PENALTING YSTEM: PC-DOS/MS-DOS SOFTWARE: PS-ENTIN Release #1.0, Ver CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/928,757
FILING DATE: 12-Sep-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/08/612,973
FILING DATE: 11-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1487-10
TELEPHONE: (703) 816-4000
TELEPHONE: (703) 816-4000
TELEPAX: (703) 816-4000
TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO
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MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGTGGGTCCGTCCTCCGTCGGCCAACTGTTCACCTTCACAWCCCGCCAGNACTACACA 787
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                                              TYPE: nucleic acid
STRANDEDNESS: single
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BUYSE, MARIE-ANGE
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Best Local Similarity
Matches 725; Conserv
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   TGCGGATCTGTCTTCCTCGTCTCCCAGCTGTTCACCATCTCGCCTCGCCGGCATGAGACG
                                                                  CACGTCGATTTGCTCGTTGGGGCCGCTGCTTTCTGTTCCGCTATGTACGTGGGGGACCTC
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SOFTWARE: PatentIn version 3.0; SEQ ID NO 6; LENGTH: 9413; TYPE: DNA; ORGANISM: HEPATITIS C US-09-827-688-6
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US-09-827-688-6
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APPLICANT: ORSON, FRANK
APPLICANT: KINSEY, BERMA
APPLICANT: BHOGAL, BALBIR
TITLE OF INVENTION: MACROAGGREGATED PROTEIN CONJUGATES AS ORAL GENETIC IMMUNIZATION
TITLE OF INVENTION: AGENTS
FILE REFERENCE: P01949US1/10004014
CURRENT APPLICATION NUMBER: US/09/827,688
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/195,680
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 13
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Best Local Similarity
Matches 728; Conserva
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Patent No. 6821955
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                     ATCTTCCTCTTAGCTTTGCTGTCTTGTTTTGACCATCCCAGCTTCCGCTTACGAGGTGCGC
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                                                                                                     CGGGTTCTGGAGGACGGCGTGAACTATGCAACAGGGAATCTGCCCCGGTTGCTCTTTCTCT 854
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75.9%;
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Highfield, Peter Edmund
APPLICANT: Rodgers, Brian Colin
APPLICANT: Tedder, Richard Seton
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                                                                                             PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/628,516

FILING DATE: 17 DEC 1990

APPLICATION NUMBER: UK 89 28 562.1

FILING DATE: 18 DEC 1989

PRIOR APPLICATION NUMBER: UK 90 04 414.0

FILING DATE: 27 FEB 1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: UK 90 04 814.1

FILING DATE: 03 MAR 1990

ATTORNEY/AGENT INFORMATION:

NAME: E. Anthony Figg

REGISTRATION NUMBER: 27,195

REFERENCE/DOCKET NUMBER: 1645-103A

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 833-574
TELEFAX: (202) 833-574
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 2116 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette, 5.25 inch,
COMPUTER: IBM AT compatible
OPERATING SYSTEM: MS-DOS V3.2
SOFTWARE: Wordperfect 5.0 (DOS text)
CURRENT APPLICATION DATA:
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TITLE OF INVENTION: Viral Agent
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
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CITY: Washington
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; OTHER INFORMATION: viral structural and non-structural
; OTHER INFORMATION: proteins
US-08-191-160-21
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Best Local Similarity 75.8
Matches 727; Conservative
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LOCATION:
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__LIBRARY: cDNA clones from 5' end of the genome
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                                                                TCTCGTTGCTGGGTACCGTTTTCCCCCACGCTCGCAGCCAGGAATGCTAGCGTCCCCACT
                                                                                                                                                                 AACGTGTCCGGGATCTACCATGTCACGAACGATTGCTCCAACTCAAGCATCGTGTACGAG
                                                                                                                                                                                                                        ATCTTCCTCTTGGCTTTGCTGTCCTGTTTGACCATTCCAGCTTCCGCTTATGAAGTGCGC 892
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                                              TCCCGCTGCTGGGTAGCGCTCACTCCCACGCTCGCGGCCAAGGACGCCAGCATCCCCACT
                                                                                                      ACAGCGGACATGATGATGCACACCCCCGGGTGTGTGCCCTGTGTCCGGGAGGGTAATTCC
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	JS-08 JS-08 Seq	문	Ş	B 2	₹
	RESULT 10 US-08-150-204E-96 ; Sequence 96, Application US/08150204E ; Patent No. 6538126 ; CENDRAL INFORMATION:		773 CGCCAGNACTACACAGTGCAAGACTGCAATTGTTCCATCTACCCCCGGCCATATAACGGG 831	TACGTGGGGGATCTCTGCGGATCTGTTTTCCTCGTCTCTCAGCTGTTCACCTTCTCGCCCT	1073 GCGACAATACGACGCCACGTCGATTTGCTCGTTGGGGCGGCTGCCTTCTGCTCCGCTATG 1132 713 TATGTGGGGGGACCTCTGTGGGGTCCGTCTTCCTCGTCGGCCAACTGTTCACCTTCACAWCC 772

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RESULT 11
US-08-470-426B-17
                                                                                                                  Sequence 17, Application Patent No. 5856458
                                                  GENERAL INFORMATION:
APPLICANT: Okamoto, Hiroaki
APPLICANT: Nakamura, Tetsuo
TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: JP 2-153402
FILLING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wellacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47083.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (202) 659-28:
TELEPAX: (202) 659-1462:
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 1539 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 06-JUN-
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: unknown MOLECULE TYPE: DNA (genomic)
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CORRESPONDENCE ADDRESS:
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ADDRESSEE: L.L.P.
STREET: 1850 M Street,
CITY: Washington
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les 718; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U:
ZIP: 20036
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Conservative
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Pred. No. 5.1e-147;
0; Mismatches 98;
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US-09-539-601-1
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TITLE OF INVENTION: Hepatitis C Virus Cell Culture
FILE REPERENCE: all sequences
CURRENT APPLICATION UNMBER: US/09/539,601C
CURRENT FILING DATE: 2001-08-30
EARLIER APPLICATION NUMBER: 199 15 178.4 GERMANY
EARLIER FILING DATE: 1999-04-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application Patent No. 6630343
                                                                                                                                                          FEATURE:
NAME/KEY: CDS
LOCATION: (342)..(1193)
OTHER INFORMATION: hepat:
OTHER INFORMATION: phospi
FEATURE:
NAME/KEY: RBS
LOCATION: (1202)..(1812)
                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Hepatitis
             OTHER INFORMATION: FEATURE:
                                            NAME/KEY: CDS
LOCATION: (1813)..(10845)
OTHER INFORMATION: hepati
OTHER INFORMATION: nonstr
                                                                                                                             LOCATION: (1202)..(1812)
OTHER INFORMATION: inter
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LOCATION: (1)..(34:
OTHER INFORMATION:
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                                                                                                               FEATURE:
NAME/KEY: 3'UTR
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Best Local Sim.
Matches 719;
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LENGTH: 11076
TYPE: DNA
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GENERAL INFORMATION:
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TITLE OF INVENTION: Hepatitis C Virus Cell Culture System
FILE REFERENCE: all sequences
CURRENT APPLICATION NUMBER: US/09/539,601C
CURRENT FILING DATE: 2001-08-30
CHARLIER APPLICATION NUMBER: 199 15 178.4 GERMANY
EARLIER FILING DATE: 199-04-03
NUMBER OF SEQ ID NOS: 51
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NAME/KEY: 5'UTR
LOCATION: (1)..(341)
OTHER INFORMATION: CO
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OTHER INFORMATION: hepatitis C virus polyprotein from core to OTHER INFORMATION: nonstructural protein NS5B; carries cell OTHER INFORMATION: culture-adaptive mutations from clone 9-13F
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LOCATION: (10846)..(11076)
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LOCATION: (342)..(1193)
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INFORMATION: inter
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Pred. No. 1.5e-146;
0; Mismatches 100;
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GENERAL INFORMATION:
APPLICANT: Bartenschlager, Ralf FW
TITLE OF INVENTION: Hepatitis C Virus Cell Cultu:
FILE REFERENCE: all sequences
CURRENT APPLICATION NUMBER: US/09/539,601C
CURRENT APPLICATION NUMBER: 199 15 178.4 GERMANY
EARLIER APPLICATION NUMBER: 199 15 178.4 GERMANY SOFTWARE: PatentIn Ver. SEQ ID NO 25 Sequence 25, Application US/09539601C Patent No. 6630343 EARLIER FILING DATE: 1999-04-03 NUMBER OF SEQ ID NOS: 51 NAME/KEY: NAME/KEY: CDS LOCATION: (342)..(1193) OTHER INFORMATION: hepatitis C virus c OTHER INFORMATION: phosphotransferase LOCATION: (1202)..(1812)
OTHER INFORMATION: inter
OTHER INFORMATION: encep LOCATION: (1)..(341)
OTHER INFORMATION: construct FEATURE: NAME/KEY: 5'UTR ORGANISM: Hepatitis TYPE: DNA FEATURE: NAME/KEY: RBS FEATURE LENGTH: 11076 Sd (1813)..(10845) encephalomyocarditis internal ribosome entry site വ 2.1 I389/Core-3'/5.1 core - neomycin e fusion protein Cell Culture System

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Pred. No. 1.5e-146;
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APPLICANT: Bartenschlager, Ralf FW
TITLE OF INVENTION: Hepatitis C Virus Cell Cu
FILE REFERENCE: all sequences
CURRENT APPLICATION NUMBER: US/09/539,601C
CURRENT FILING DATE: 2001-08-30
EARLIER APPLICATION NUMBER: 199 15 178.4 GERM
EARLIER FILING DATE: 1999-04-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 31
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; LOCATION: (10846)..(11076)
US-09-539-601-31
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OTHER INFORMATION: hepatitis C virus polyprotein from core to OTHER INFORMATION: nonstructural protein NS5B; carries cell cu OTHER INFORMATION: adaptive mutations from clone no. 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: CDS
LOCATION: (342)..(1193)
OTHER INFORMATION: hepatitis C virus of
OTHER INFORMATION: phosphotransferase
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LOCATION: (1202)..(1812)
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LOCATION: (1)..(34:
OTHER INFORMATION:
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ORGANISM: Hepatitis
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724 2649	665 CGACACGICGACTIGCTTGTIGGGGCGACACTCIGTTCTGCTATGTATGTGGGGGAC :	
664 2589	605 GTACCGTTTTCCCCCACGCTCGCAGCAGGAATGCTAGGGTCCCCACTCAGGCAATTCGG 6	
604 2529	545 ATCATGCATCTCCCCGGGTGCGTGCCCTGCGTTCCGGAAGGTAATATCTCTCGTTGCTGG (
544 2469	488TACCACGTCACCAACGATTGTTCCAATGGGAGCATTGTGTATGAGGCGGAAGGCATG :	
2409	2350 GCTTTGCTGTCCTGTTTGACCATCCCAGCTTCCGCTTATGAAGTGCGCAACGTATCCGGA	
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487 2289	433 GTCGGCGCCCCCTAGGGGGGCGTTGCCAGGGCCCTGGCGAAGGCTTCCGGGATC 4	
432 2229	373 GGTAAGGTCATCGATACCCTCACATGCGGCTTCGCCGACCTCATGGGGTACATTCCGCTC (
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Copyright (c) 1993 - 2006 Compugen Ltd
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US-09-720-095A-1 US-08-324-977-49 US-08-384-616-49 US-08-904-686A-49 US-08-915-850-49 US-08-915-850-49 US-08-324-977-35 US-08-384-616-35 US-08-384-616-35 US-08-324-977-31 US-08-346-616-31 US-09-315-850-31	-08-4 -08-2 -08-4
Sequence 1, Appli Sequence 49, Appl Sequence 49, Appl Sequence 49, Appl Sequence 41, Appl Sequence 31, Appl Sequence 35, Appl Sequence 35, Appl Sequence 35, Appl Sequence 31, Appl Sequence 31, Appl Sequence 31, Appl Sequence 31, Appl Sequence 11, Appl Sequence 10, Appl Sequence 10, Appl Sequence 10, Appl Sequence 10, Appl Sequence 10, Appl Sequence 2, Appli Sequence 2, Appli	,000,0

ALIGNMENTS

US-08-836-075A-67; Sequence 67, Application US/08836075A; Patent No. 6180768 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 23 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
DESCENDENCE/COVET NUMBER: 29,775 REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: GENERAL INFORMATION: APPLICANT: MAERTENS, C APPLICANT: STUYVER, LI TITLE OF INVENTION: NO TITLE OF INVENTION: AN TITLE OF INVENTION: AC TOPOLOGY: 1i MOLECULE TYPE: HYPOTHETICAL: SEQUENCE CHARACTERISTICS: LENGTH: 340 base pairs CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: COUNTRY: USA ZIP: 77210-4433 STRANDEDNESS: ADDRESSEE: HOUSTON : 340 base pairs nucleic acid TEXAS P.O. linear ARNOLD, WH O. BOX 4433 ĕ CDNA single S, GEERT
, LIEVEN
NEW SEQUENCES OF AND THEIR USE AGENTS HITE 67: Ŗ٦ INNS:004 DURKEE AS OF PROPHYLACTIC, THERAPEUTIC AN THERAPEUTIC AND DIAGNOSTIC

Indels Length

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Gaps

247 187 127 127 67

307

307 247

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; ANTI-SENSE:
US-08-836-075A-67
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Best Local Similarity
Matches 326; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 53, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION:
REFERENCE/DOCKET NUMBER: I
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MAERTENS, GERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SEQUITITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207

CORRESPONDENCE ADDRESS:
                                                                                                                                     APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                           APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGERENCY/COVERN NUMBER: 775
                                                                                                                                                                                                                                                                                                                                                                     ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
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AND THEIR USE AS I
AGENTS
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Pred. No. 3.5e-95;
                                  INNS:004
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US-08-836-075A-57
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOCY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
                                                                                                                                                                                         ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: EP 9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9
FILING DATE: 28 Jun 1995
                                                                                  APPLICATION NUMBER: US/08/836,075A
FILLING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILLING DATE: 23 Oct 1995
PRIOR APPLICATION UNDATA:
                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SECTION: AND THE
                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                   STATE: T
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nilarity 87.1%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                          BOX 4433
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                                                                                                                                                                                                                                                                                                                                                                                             WHITE & DURKEE
                                                                                                                                                                                                                                                                                                                                                                                                                              207
                    EP 95870076.7
                                                                       EP 94870166.9
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Pred. No. 2.1e-74;
2; Mismatches 40
                                                                                                                                                                                                                  ASCII text output
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THERAPEUTIC AND DIAGNOSTIC

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                                                    ; LOCATION: (1)..(1779)
US-09-597-877-11
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDENNESS: single
                                                                                                                                                          SEQ ID NO 11
LENGTH: 1782
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 11, Appli
Patent No. 6461845
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 282; Conservative
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Best Local Similarity
                                                                                                                                                                                                                                                                                                     FILE REFERENCE: 76-95B
CURRENT APPLICATION NUMBER: US/09/597,877
CURRENT FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: 60/004,383
PRIOR FILING DATE: 1995-09-27
PRIOR FILING DATE: 1995-09-27
                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Hagedorn, Curt H.
TITLE OF INVENTION: Recombinant Hepatitis C Virus RNA Replicase
                                                                                                                                                                                            SOFTWARE: PatentIn
                                                                                                                                                                                                                NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 09/337,028 PRIOR FILING DATE: 1999-06-25
                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 08/722,806 PRIOR FILING DATE: 1996-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: 1116a.
MOLECULE TYPE: CDN
HYPOTHETICAL: NO
                                                                                                               TYPE: DNA
ORGANISM: Hepatitis C virus
                                                                       NAME/KEY: CDS
LOCATION: (1)
                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
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75.1%;
86.2%;
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Score 255.2; DB 3; Pred. No. 3.3e-72;
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US-08-441-971-7; Sequence 7, A
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                                                                                                            APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REPERENCE/DOCKET NUMBER: 29,809
REPERENCE/DOCKET NUMBER: 20072/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                              TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 1
FILING DATE: 16-MAY-:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 1
                                                                                           TELEPHONE: (617)
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STRANDEDNESS:
            TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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16-MAY-1995
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US-08-221-653-7
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                              APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHONE: (617) 720-3441
TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                          COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
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                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                  Diskette,
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85.9%;
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                                                                                       C0772/7000
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Pred. No. 5.9e-72;
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence /,
Patent No.
                                                                                                                                                                                                                                                                                                                      APPLICANT: Tal-ALL COM-
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 280;
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Best Local Similarity
        COMPUTER: IBM COMPATIBLE

OPERATING SYSTEM: Windows NT
SOFTWARE: MICROSOFT WORD 97

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
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ORIGINAL SOURCE:
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                                                                                                                                                                                          COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                           STATE: C
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TOPOLOGY: lir
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5. 6214583
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Doreen Yatko Trujillo
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Pred. No. 5.9e-72;
1; Mismatches 45
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                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/08441970 Patent No. 6297370 GENERAL INFORMATION:
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Best Local Similarity
                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
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SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                        APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
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ORIGINAL SOURCE:
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TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                 CLASSIFICATION: 536 PRIOR APPLICATION DATA:
                                                                                                                                                                                                        COUNTRY:
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 APPLICATION NUMBER:
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85.9%;
                                                                                                                     MS-DOS Version 3.3
07/881,528
                                                                 US/08/441,970
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; Sequence 8, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 147
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Best Local Similarity 85.9%;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
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APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                   ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                           ADDRESSEE: Wolf, Greenfield &
                                                                                                                                          CITY: Boston
STATE: Massac
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                                                    COMPUTER:
                                                                                                                           COUNTRY:
                                                                                                                                                                              STREET:
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                                                  IBM compatible
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                                                                       5.25 inch
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Pred. No. 5.9e-72;
1; Mismatches 45
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                                                                                                                                                                                              Sacks, P.C
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247

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307 307 187 187 127

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US/08/441,971

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Sequence 8, Application US/08221653
Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUT:
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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US-08-221-653-8
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Best Local Similarity
Matches 279; Conserv
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FILING DATE:
APPLICATION NUMBER: 07/697
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony 7
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REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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FILING DATE: 16-MAY-11
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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STREET:
CITY: Bc
STATE: M
COUNTRY:
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TYPE: nucleic acid
STRANDEDNESS: single
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               Massachusetts
                                                600 Atlantic Avenue
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85.6%;
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Pred. No. 1.9e-71;
                                                                                                              SEQUENCES FOR AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   46;
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US-08-442-144A-8
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                 : Sequence 8, Application U
: Patent No. 6214583
: GENERAL INFORMATION:
APPLICANT: Tai-An Cha
APPLICANT: Eileen Bea
APPLICANT: Bruce Irve
: APPLICANT: Janice Kol
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Best Local Similarity 85.6%;
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMPUNICATION INFORMATION:
TELEPHONE: (617) 720-2441
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Diskette, 5.2
COMPUTER: IBM compartible
OPERATING SYSTEM: MS-DOS V
SOFTWARE: WordPerfect 5.1
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE:
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                                                                                                                                                                                                                                                                                                        248
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Tai-An Cha
Eileen Beall
Bruce Irvine
Janice Kolberg
Michael S. Urdea
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SYSTEM: MS-DOS Version 3.3
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Pred. No. 1.9e-71;
1; Mismatches 46
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APPLICANT:

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RESULT 12
US-08-441-970-8
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Best Local
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APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 194
ATTORNEY/AGENT INFORMATION:
NAME: DOTEON YATKO TRUJIIIO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 Inch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HC
TITLE OF INVENTION: DI.
NUMBER OF SEQUENCES: 1.
CORRESPONDENCE ADDRESS:
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FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                           AACTCAAAAGGACAGAACTGCGGCCTATCGCCGGTGCCGAGCGGGTGTGCTGACT 187
                                                                                                                                                                                                                                                                                                                                                                                               GTCACTGAGAGTGATATCCGTGTCGAGGARTCAATTTACCAATGCTGTGACCTGGCCCCC
                                                                                                         GGGGTCCAGGAGGATGCTGCAAGCCT 333
                                                                                                                                      CTCCAGGACTGCACGATGCTCGTGTGCGGAGACGACCTTGTCGTTATCTGTGAAAGCGCG
                                                                                                                                                        CTCCGGGAATGCACAATGCTCGTGTGTGGCGACCACCTCGTCGTTATCTGTGAGAGTGCG
                                                                                                                                                                                              AGCTGCGGTAATACCCTCACATGTTACTTGAAGGCCACTGCGGCCTGTAGAGCTGCGAAG
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                                                                                                                                                                                                                                                        AATTCAAAAGGGCAGAACTGCGGCTATCGCCGATGCCGCCAGCGGTGTGCTGACGACT
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                                                                                                                                                                                                                                                                                                                                                                        GTCACTGAGAATGACATCCGTGTTGAGGAGTCAATTTACCAAAGTTGTGACTTGGCCCCCC
                                                                             GGAACCCAGGAGGATGCGGCGAGCCT 333
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E: DNA
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85.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
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       GGAACCCAGGAGGATGCGGCGAGCCT 333
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Best Local Similarity Matches 279; Conserv
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APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 07/88
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/68
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
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SOSTWARE: WORDERfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
FILLING DATE: 16-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: WOIL, CALLER APPREET: 600 Atlantic Avenue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                           128 AACTCAAAAGGACAGAACTGCGGCTATCGCCGGTGCCGTGCGAGCGGTGTGCTGACTACT 187
                                                                                                                                                                                                                                                                                                  68 GAGGCCAGACAAGCCATAAGGTCGCTCACAGAGCGGCCTTTACATCGGGGGCCCCCCTGACT
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                                                                                                                                                                                                                                                                                                                                                                                                          8 GTCACTGAGAGTGATATCCGTGTCGAGGARTCAATTTACCAATGCTGTGACCCTGGCCCCC
GGGGTCCAGGAGGATGCTGCAAGCCT 333
                                                     CTCCAGGACTGCACGATGCTCGTGCGGAGACGACCTTGTCGTTATCTGTGAAAGCGCG
                                                                                        CTCCGGGAATGCACAATGCTCGTGTGTGGCGACGACCTCGTCGTTATCTGTGAGAGTGCG
                                                                                                                                                                          AGCTGCGGTAACACCCTCACATGCTACCTGAAAGCCGCCGCGGCCTGTCGAGCTGCAAAG
                                                                                                                                                                                                                       AATTCAAAAGGGCAGAACTGCGGCTATCGCCGATGCCGCCAGCGGTGTGCTGACGACT
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85.6%;
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Pred. No. 1.9e-71;
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; OTHER INFORMATION: KHCV-LBC1, ; SEQUENCE DESCRIPTION: SEQ ID NO: 96 US-08-150-204E-96
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Best Local Sim
Matches 279;
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GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: KR 91-13601
FILING DATE: 6-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Shahan Islam, Esq.
REGISTRATION NUMBER: 32,507
REFERENCE/DOCKET NUMBER: 2695/FLK
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KIM, Chun Hyung
KIM, Sung Taek
YANG, Jae Young
TITLE OF INVENTION: HEPATITIS C DIAGNOSTICS AND VACCINES
NUMBER OF SEQUENCES: 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: Windows SOFTWARE: Microsoft Word CURRENT APPLICATION DATA:
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ZIP: 305-340
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5inch, 1.44MB storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: YANG, Jae Young
STREET: 386-1, Doryong-dong,
8401
                                                                              8341 GAAGCCAAACTGGCCATAAAGTCGCTCACAGAGCGGCTCTATATCGGGGGGTCCCCTGACT 8400
                                                                                                                                                         8281 GTCACTGAGAATGACATCCGTGTTGAGGAGTCAATTTACCAATGTTGTGACTTGGCCCCC
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                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
                                       128
                                                                                                                 68 GAGGCTCGCGTAGCCATAAAGTCGCTCACTGAGCGGCTATATGTCGGGGGCCCTCTCACC
                                                                                                                                                                                              8 GTCACTGAGAGTGATATCCGTGTCGAGGARTCAATTTACCAATGCTGTGACCTGGCCCCC
                                                                                                                                                                                                                                                          Similarity
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  AACTCAAAAGGACAGAACTGCGGGCTATCGCCGGTGCCGTGCGAGCGGTGTGCTGACTACT
                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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STATE: Daejeon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 9472 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (212) 940-8564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC/pentium
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Yong Beom
K, Young Woo
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Pred. No. 6.7e-71;
1; Mismatches 46; Indels
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Patent No. 6071693
GENERAL INFORMATION:
                                                               Matches
                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                          TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS 'SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: 16-MA
                                                                                                                                                                                      TYPE: ...
STRANDEDNESS: 81.
                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 29, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 02210
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                                                                                                                                                                                                                          TYPE: nucleic acid
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GGAACCCAAGAGGATGCGGCGAGCCT 8606
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                                                              73.6%; ilarity 85.3%; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER: US/08/441,971
16-MAY-1995
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                                                               Score 250.4; DB 3
Pred. No. 6.4e-71;
1; Mismatches 47
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                                                                                             DB 3;
                                                                                             Length 340;
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RESULT 15
US-08-441-971-12
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                                                                                                                                                                                      FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                         TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM:
                                                                       TOPOLOGY:
                                                                                   STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: 16-MAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Boston
                                                                                                                                                                                                                                                                                                                                  FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             188
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IBM compatible
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Query Match

73.6%; Score 250.4;

DB 3;

Length 340;

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Matches 278; Conservative
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GGGACCCAAGAGGACGCGGCGAGCCT
                                                           CTCCAGGACTGCACAATGCTCGTGTGCGGTGACGACCTTGTCGTTATCTGTGAGAGCGCG
                                                                                        CTCCGGGAATGCACAATGCTCGTGTGTGGCGACCACCTCGTCGTTATCTGTGAGAGTGCG
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1; Mismatches 47
333
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Search completed: January 11, 2006, 10:56:42 Job time: 83.331 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Database
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OM nucleic - nucleic search, using sw model
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
 258.4
257.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: 0
seq length: 2000000000
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1. /cgn2_6/ptodata/1

2. /cgn2_6/ptodata/1

3. /cgn2_6/ptodata/1

4. /cgn2_6/ptodata/1

5. /cgn2_6/ptodata/1

5. /cgn2_6/ptodata/1

6. /cgn2_6/ptodata/1

8. /cgn2_6/ptodata/1

9. /cgn2_6/ptodata/1
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 7700.94.4.4.333.338.888.77
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/cgn2 6/ptodata/1/ina/5 COMB.seq:*
/cgn2 6/ptodata/1/ina/6A COMB.seq:*
/cgn2 6/ptodata/1/ina/AB COMB.seq:*
/cgn2 6/ptodata/1/ina/H COMB.seq:*
/cgn2 6/ptodata/1/ina/PCTUS COMB.seq:*
/cgn2 6/ptodata/1/ina/PCTUS COMB.seq:*
/cgn2 6/ptodata/1/ina/RE COMB.seq:*
/cgn2 6/ptodata/1/ina/RE COMB.seq:*
/cgn2 6/ptodata/1/ina/RE COMB.seq:*
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                         US-08-836-075A-69
US-08-836-075A-71
US-09-878-281A-145
US-08-836-075A-73
US-09-878-281A-135
US-07-925-695-1
US-07-925-695-1
US-07-925-695-2
US-08-441-970-15
US-08-421-653-16
US-08-441-970-13
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69, Appl
145, Appl
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US-08-836-075A-69
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GENERAL INFORMATION:
                                                                    LENGTH:
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162.8	163.6	163.6	166	166	166.8	167.6		'n				214			234.8		234.8	236.4	237.6	237.6
47.9	48.1	48.1	48.8	48.8	49.1	49.3	49.3	49.3	49.3	59.5	62.8	62.9	.66.9	69.1	69.1	69.1	69.1	69.5	69.9	69.9
340	340	340	9365	340	340	340	340	340	340	340	340	335	340	340	340	340	340	340	9511	9511
ω	w	w	w	w	w	ω	ω	w	w	w	w	w	ω	w	w	w	ω	ω	N	N
US-08-441-971-2	US-08-836-075A-57	US-08-836-075A-55	US-09-827-688-7	US-09-878-281A-159	US-08-836-075A-53	US-08-441-970-5	US-08-442-144A-5	US-08-221-653-5	US-08-441-971-5	US-08-836-075A-99	US-08-836-075A-105	US-08-836-075A-101	US-08-836-075A-77	US-08-441-970-14	US-08-442-144A-14	US-08-221-653-14	US-08-441-971-14	US-08-836-075A-79	US-07-925-695-7	US-07-925-695-6
Sequence 2, Appli	Sequence 57, Appl	Sequence 55, Appl	Sequence 7, Appli	Sequence 159, App	Sequence 53, Appl	Sequence 5, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 99, Appl	Sequence 105, App	Sequence 101, App	Sequence 77, Appl	Sequence 14, Appl	Sequence 14, Appl	Sequence 14, Appl	Sequence 14, Appl	Sequence 79, Appl	Sequence 7, Appli	Sequence 6, Appli

ALIGNMENTS

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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/EP95/04155
PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 94870166.9
PILING DATE: 21 Oct 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: MAERTENS, GEERT
APPLICANT: STUTYER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF F
TITLE OF INVENTION: AND THEIR USE AS I
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
                                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                           FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                  TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                               SEQUENCE CHARACTERISTICS:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Microsoft Word 6.0 / ASCII text output
                                                                                                                                                                        REGISTRATION NUMBER: 29
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 77210-4433
                                                            STRANDEDNESS: single
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                                                                            nucleic acid
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                                                                                                                                                                           INNS:004
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Patent No.
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Best Local
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APPLICANT: STUYVER, LI
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
TITLE OF INVENTION: AC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
           REFERENCE/DOCKET NUMBER: I
INFORMATION FOR SEQ ID NO: 71:
                    APPLICATION NOTION:
FILING DATE: 28 Jun 1995
ATTORNEY, AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: INNS:004
                                                                                                                                        APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM Compatible
CORRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                       APPLICATION NUMBER: BP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                   STREET: P.O. BOOK STATE: TEXAS COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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335; Conserv
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CHARACTERISTICS
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P.O. BOX 4433
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AND THEIR USE
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Pred. No. 1.7e-96;
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Sequence 145, Application US/09878281A Patent No. 6762024 GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGCAGGAATAGTGGCCCCCACCATGCTGGTGTGCGGCGATGACCTAGTTGTCATCTCAGA
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.2e-78;
                        C virus
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                      genotypes for diagnosis,
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FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 145
SEQ ID NO 145
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-145
                                                                                                                                                                                                                                          Local Similarity
                   CATGATGAACAGCAAAGGGCAATCCTGCGGGTATACAGGCATTGCCGCGCGCCAGCGGAGTGCT
                                                                                                ACCCGAGCAGGCCAGAACTGCCATACACTCATTGACTGAGAGACTCTACGTAGGAGGGCC 120
                                                                                                                                                                       CTCGACAGTCACAGAGAGAGATATAAGNACTGAGGAGTCCATATACCAGGCTTGTTCCTT
CATGCTAAACAGCAAAGGGCAAACCTGCGGATACAGACGCTGCCGCGCCAGCGGAGTGTT
                                                                        ACCCGAGCAGGCACGGACTGCCATACACTCACTGACTGAGAGGCTTTACGTGGGAGGGCC
                                                                                                                                                 76.0%;
ilarity 85.9%;
Conservative
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Pred. No. 2.1e-72;
0; Mismatches 47
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SEQUELL.

PATERIE NO. 6180, ...

GENERAL INFORMATION:

APPLICANT: MAERTENS, GEERT

APPLICANT: STUYVER, LIEVEN

TITLE OF INVENTION: NEW SEQUENCES OF

TITLE OF INVENTION: AND THEIR USE AS

AND THEIR USE AS
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US-08-836-075A-73
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                                                                                                                   Matches
                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION UNMBER: EP 9587007
APPLICATION: 28 Jun 1995
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                        HYPOTHETICAL:
                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/EP95/04159
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NOTICE.

PILING DATE: 21 Apr 1997

PRIOR APPLICATION DATA:

PODITCATION NUMBER: PCT/EP95/04155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: ARNOLD, W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / /
                                                                                                                                                                                                                                           STRANDEDNESS: single TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: HOUSTON
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                    19
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                                                                                                                                                                                                                                                                  nucleic acid
CTCGACAGTCACAGAGAGAGATATAAGNACTGAGGAGTCCATATACCAGGCTTGTTCCTT 60
                                                  CTCAACAGTCGCGGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT
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                                                                                                               Score 257.2; DB 3;
Pred. No. 5e-72;
0; Mismatches 49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ASCII text output
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                                                                                                                                             Length 340;
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US-07-925-695-4
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US-07-925-695-4
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   Matches 284;
                                   Query Match
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                                                                                                                                                      TELEFAX: (202) 659-146
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287
FILING DATE: 09-AUG-1991
FRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 19920807
                                                                                                                                                                                                                                          NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
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APPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                        TELEPHONE: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                  TYPE: NUCLEIC ACID
                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 20036
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COUNTRY: US
                 Local Similarity
                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington
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1850 M Street, N.W., Suite 800
   Conservative
                                                                                     ss: single
linear
                 74.7%;
84.8%;
                                                                                                                                                                                                                           659-2811
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US/07925695
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Score 254; DB 2; I
Pred. No. 1.2e-70;
0; Mismatches 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 POLYPEPTIDES, ANTIGEN, ANTIBODY AND
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                                Length 2693;
 Indels
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US-07-925-695-1
US-07-925-695-1
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Patent No. 5428145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                           TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATION NUMBER: US/07/925,695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: NAKAMURA,
TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
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                                                                                                                                                                                                                APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: JF 287402/91 FILING DATE: 09-AUG-1991 PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                    REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
        LENGTH: 9589 base pair
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: D.C. COUNTRY: US ZIP: 20036
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CITY: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 19920807
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B: Beveridge, DeGrandi, Weilacher & Young
1850 M Street, N.W., Suite 800
                                                                        9589 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SD
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NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY
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US-07-925-695-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                            STATE: D.C.

STATE: D.C.

COUNTRY: US

ZIP: 20036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, V.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/925,695

FILING DATE: 19920807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402
FILING DATE: 09-AUG-1991
PRIOR APPLICATION UNMBER: JP 360441
APPLICATION UNMBER: JP 360441
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Wellacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/8
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: OKAMOTO, I APPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                TELEFAX: W
                                  TELEPHONE: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Application US/07925695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: Beveridge, DeGrandi, Weilacher & Young
1850 M Street, N.W., Suite 800
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                                                                                                                                                                                                                                    JP 287402/91
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                                                                                                                                                                                    JP 360441/91
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                                                                                                      06/87-48009
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Pred. No. 2e-70;
                                                                                                                                                                                                                                                                                                                                       Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 2; Length 9589;
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RESULT 8
US-08-441-971-15
; Sequence 15, Application US/08441971
"arent No. 6071693
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NAME: Jahlun, 29,809
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077;
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 284; Conservative
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APPLICANT: Tai-An
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STREET
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                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM compatib
OPERATING SYSTEM: MS-DA
SOFTWARE: WORDPERFECT!
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                             FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE: 16-MAY
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                                                                                                                                                                                                                                                    FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/07/881,528
                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8521
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IBM compatible SYSTEM: MS-DOS Version 3.3
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16-MAY-1995
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84.8%;
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Pred. No. 2e-70;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 6190864

GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 15, Application Patent No. 6190864
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                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881,
FILING DATE:
APPLICATION NUMBER: 07/697,326
                                                                                                                                                                                                                                                                                                           COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                          FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                             CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             600 Atlantic Avenue
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US/08221653

300

240 240 180 180 120 120 60

Diskette,

5.25 inch

US/07/881,528

US/08/221,653

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Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INDIVIDUAL ISOLATE: ns5il0
                         301 GAGTCAGGGAGTCGAGGAGGACGACCGGAACCTGA 335
                                                                                                                241 AGCAGGAATAGTGGCCCCCACCATGCTGGTGTGCGGCGATGACCTAGTTGTCATCTCAGA 300
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                                                                                    CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
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                                                                                                                                                                                                                                                                                                 CATGATGAACAGCAAAGGGCAATCCTGCGGATACAGGCATTGCCCGCGCCAGCGGAGTGCT
                                                                                                                                                                               CACCACCAGCATGGGCAACACGCTCACGTGCTACGTGAAAGCCAGAGCGGCGTGTAACGC
                                                                                                                                                                                                           CACCACCAGTATGGGGAATACCATCACGTGCTACATCAAGGCCCTAGCGGCTTGTAAAGC
GAGTCAGGGGTCGAGGAAGATGAGCGGAACCTGA 335
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA
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84.2%;
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RESULT 10
US-08-442-144A-15
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                                                                                                                                                                                                                                                                                                                    Sequence 15, Application Patent No. 6214583
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nuclectides
             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 Inc.
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: n85i10
                                                                                                                                                                                                                   APPLICANT: Tai-An Cha
APPLICANT: Elieen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                 STREET: 4560 Horto
CITY: Emeryville
STATE: California
COUNTRY: USA
COUNTRY: USA
SIP: 94608-2916
                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                     NUMBER OF SEQUENCES:
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  APPLICATION NUMBER:
                                                                                                                                                                            ADDRESSEE:
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                                                                                                                                                           4560 Horton Street
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84.2%;
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US/08/442,144A
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Pred. No. 5.5e-70;
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RESULT 11
US-08-441-970-15
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                                                                                                                                                                                                                               Patent No. 6297370

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                  Sequence 15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 282;
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APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 09/221,653
PILING DATE: APRIL 1, 1994
ATTORNEY, AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5
COMPUTER: IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 340 Nucleo
TYPE: Nucleic Acid
STRANDEDNESS: Sing
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TELEPHONE: 215-568-3439
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CLASSIFICATION:
                                                                              COUNTRY: US
ZIP: 02210
                                                                                                                                          CITY: Boston
                                                                                                                                                               STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INDIVIDUAL ISOLATE: ns5i10
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
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                                                                                                                    Massachusetts
                                                                                                                                                               600 Atlantic Avenue
                                                                                                   USA
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MS-DOS Version
                                                                                                                                                                                                                           147
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                                        5.25 inch
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Pred. No. 5.5e-70;
""cmatches 53;
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120

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240

180 240

300

CURRENT APPLICATION DATA:

WordPerfect 5.1

CLASSIFICATION: 536 FILING DATE: APPLICATION NUMBER:

16-MAY-1995

US/08/441,970

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Sequence 215, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C v
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 215
LENGTH: 340
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US-09-878-281A-215
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Best Local Similarity
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APPLICATION NUMBER: 07/881,528
APPLICATION NUMBER: 07/692,326
APPLICATION NUMBER: 07/697,326
ETLING DATE: 8 May 1991
ATTORNEY/ACENT INFORMATION:
NAME: Janiuk, Anthony J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500 TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Janiuk, Anthony
REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
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                                                                                                                                                                                                                                                                         GAGTCAGGGGTCGAGGAAGATGAGCGGAACCTGA
                                                                                                                                                                                                                                                                                                     GAGTCAGGGAGTCGAGGAGGACGACCGGAACCTGA 335
                                                                                                                                                                                                                                                                                                                                      CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
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ER: C0772/7000
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Pred. No. 5.5e-70;
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                FILING DATE:
APPLICATION NUMBER: US/07/881
FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Authony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECHONE: (617) 720-3500
TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                     OPERATING SYSTEM: MS-DOS VE
SOFTWARE: WordDerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/4
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Boston
STATE: Massac
                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
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      EZEKIEL
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600 Atlantic Avenue

Wolf, Greenfield

& Sacks,

147

USA

MS-DOS Version 3.3

US/08/441,971

US/07/881,528 US/08/221,653

07/697,326

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RESULT 13
US-08-441-971-16
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                 121 CATGATGAACAGCAAAGGGCAATCCTGCGGATACAGGCATTGCCGCGCCAGCGGAGTGCT 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61 ACCCGAGCAGGCCAGAACTGCCATACACTCATTGACTGAGAGACTCTACGTAGGAGGGCC 120
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Application
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US/08441971
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US-08-221-653-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No.
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FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881,52
FILING DATE:
APPLICATION UNBER: 07/697,326
APPLICATION UNBER: 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                          SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
STREET: 600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Tai-An Cha
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                          CITY: Boston
STATE: Massacl
COUNTRY: USA
                                                                                                                                                                                              COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS SOFTWARE: WordPerfect 5.1
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Local Similarity 83.9%;
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                                                                                                 US/07/881,528
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Pred. No. 1.8e-69;
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RESULT 15
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                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SI
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 6214583
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
TYPE: nucleic acid
               COMPUTER: IBM Compatible OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/44:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Sin
hes 281;
FILING DATE:
                                                                                                                                  ZIP: 94608-2916
                                                                                                                                                COUNTRY:
                                                                                                                                                                 STATE:
                                                                                                                                                                                 CITY: Emeryville
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                                                                                                                                                                                                                                                                                                                                                                                                                   16, Application US/08442144A
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                                                                                                                                                                                                  4560 Horton
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83.9%;
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                  US/08/442,144A
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Pred. No. 1.8e-69;
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                                                                                                                                                                                                                                                                    SEQUENCES FOR AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 3;
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; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 340 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: ns5arg6
US-08-442-144A-16
Search completed: January 11, 2006, 10:56:43 Job time: 83.331 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPAX: 215-568-3439
                                                                                                    301 GAGTCAGGGAGTCGAGGAGGACGACCGGAACCTGA 335
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                                                                                                                                                                                                                                                                                                                    121 CATGATGAACAGCAAAGGGCAATCCTGCGGATACAGGCATTGCCGCGCCCAGCGGAGTGGT 180
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Result
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Perfect score:
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Maximum DB seq length: 200000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/l/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/l/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/l/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/l/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/l/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/l/ina/PCTUS_COMB.seq:*

7: /cgn2_6/ptodata/l/ina/PCOMB.seq:*

8: /cgn2_6/ptodata/l/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/l/ina/Backfiles1.seq:*
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Match
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                                                      US-08-836-075A-71
US-08-836-075A-69
US-09-878-281A-145
US-08-836-075A-73
US-08-836-075A-79
US-07-925-695-1
US-07-925-695-2
US-08-441-971-15
US-08-441-970-15
US-08-441-971-13
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US-08-441-970-15
US-08-441-970-15
US-08-441-970-15
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US-08-441-971-16
US-08-442-144A-16
US-08-878-281A-215
US-08-441-971-14
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                                                                                 Sequence 71, Appl
Sequence 145, Appl
Sequence 145, Appl
Sequence 73, Appl
Sequence 74, Appl
Sequence 74, Appl
Sequence 15, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 15, Appl
Sequence 16, Appl
Sequence 215, Appl
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45	44	43	42	41	40	39	38	37	36	ω 5	34	ω ω	32	31	30	29	28	27	26	25
155.6	156	156	156	156	157.6	159.2	160.4	162	162.4	213.6	223	228.6	230.8	230.8	230.8	230.8	236.8	238.4	238.4	244
45.8	45.9	45.9	45.9	45.9	46.4	46.8	47.2	47.6	47.8	62.8	65.6	67.2	67.9	67.9	67.9	67.9	69.6	70.1	70.1	71.8
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US-08-836-075A-97	US-08-441-970-8	US-08-442-144A-8	US-08-221-653-8	US-08-441-971-8	US-09-597-877-11	US-09-878-281A-159	US-08-836-075A-55	US-08-836-075A-57	US-08-836-075A-61	US-08-836-075A-99	US-08-836-075A-101	US-08-836-075A-105	US-08-441-970-17	US-08-442-144A-17	US-08-221-653-17	US-08-441-971-17	US-08-836-075A-77	US-07-925-695-7	US-07-925-695-6	US-08-441-970-14
Sequence 9	Sequence 8	Sequence 8	Sequence 8	Sequence 8	Sequence 1	Sequence 1	Sequence 5	Seguence 5	Sequence 6	Sequence 9	Sequence 1	Sequence 1	Sequence 1	Sequence 1	Sequence 1	Sequence 1	Sequence 7	Sequence 7	Sequence 6	Sequence 1
97, Appl	, Appli	, Appli	, Appli	, Appli	11, Appl	59, App	55, Appl	7, Appl	1, Appl	99, Appl		105, App		-	17, Appl	-	77, Appl	, Appli	, Appli	14, Appl

ALIGNMENTS

RESULT 1 US-08-836-075A-71

Sequence 71, Application US/08936075A

PRICHI NO. 6180768

GENERAL INCORMATION:
APPLICANT: MARPIENS, GEERT
APPLICANT: STUTYER, LIEVEN

ITILE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPBUTIC AND DIAGNOSTIC

TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPBUTIC AND DIAGNOSTIC

CORRESPONDENCE ADDRESS:
ANDRESSEE; AN

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US-08-836-075A-69
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US-08-836-075A-71
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FILING DATE: 28 Jun 1995
ATTORNEY AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
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Best Local Similarity
                                                                                                                  APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES
TITLE OF INVENTION: ADDITION THEIR USE
                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / /
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                 ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                           APPLICATION NUMBER: U
FILING DATE: 21 Apr 1
PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: TEXAS COUNTRY: USA
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5. 6180768
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21 Apr 1997
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RESULT 3
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                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 145
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 145, Application US/09878281A Patent No. 6762024
                                                                                                                                                                    Matches 297; Conservative
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MOLECULE TYPE: NO
HYPOTHETICAL: NO
ANTI-SENSE: NO
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STRANDEDNESS: single
                                                                                                                                                                                    Local Similarity
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                                                                          GAGTCAGGGGCTGAGGAGGACGAGCGAAACCTGA 335
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Pred. No. 2.3e-75;
0; Mismatches 36
                                                                                                                                                                                   Score 271.2; DB : Pred. No. 2.8e-73
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RESULT 4
US-08-836-075A-73
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; ANTI-SENSE: NO
US-08-836-075A-73
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
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                                                                                                                   Matches
                                                                                                                                Query Match
Best Local Similarity
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APPLICANT: MAERTENS,
APPLICANT: STUYVER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/835,vv...
APPLICATION NUMBER: US/08/835,vv...
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PCT/EP95/04155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Microsoft Word 6.0 / CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Ward
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ZIP: 77210-4433
                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
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GAGTCAGGGGGTGAGGAGGAGGGAAACCTGAGAGTC 340
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                                                                         CTCAACCGTCACAGAGAGGGATATAAGAACTGAGGAGTCCATATACCTGGCCTGCTCCTT 60
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                                                   CTCAACAGTCGCGGAGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT
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                                                                                                                                                                                                                                                                                             340 base pairs
                                                                                                                   Conservative
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                                                                                                                                79.3%;
87.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GEERT
                                                                                                              Score 269.6; DB 3
Pred. No. 8.7e-73;
0; Mismatches 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DURKEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ASCII text output
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                                                                                                                                              DB 3;
                                                                                                                 44;
                                                                                                                   Indels
                                                                                                                                                Length 340;
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                                                                                                                 Gaps
                                                   60
                  120
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; HYPOTHETICAL: ; ANTI-SENSE: NO US-08-836-075A-79
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US-08-836-075A-79
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Query Match
Best Local Similarity
Matches 293; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 79,
                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                     FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERTENS, APPLICANT: STUYVER,
                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                         TOPOLOGY:
                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                         REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET:
                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: EP 95870076.7
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                                                                                                                                                                                          LENGTH:
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: HOUSTON
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23 Oct 1995
                        77.9%;
86.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LIEVEN
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        Score 264.8; DB 3;
Pred. No. 2.6e-71;
0; Mismatches 47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         340
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                                        Length 340;
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Conservative

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Indels

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Gaps

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US-07-925-695-4
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                                                    Sequence 4, Application US/07925695
Patent No. 5428145
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 287402/91

FILING DATE: 09-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION UNMBER: JP 360441/91

FILING DATE: 05-DEC-1991

ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: OKAMOTO, HE APPLICANT: NAKAMOTA, TITLE OF INVENTION: NO TITLE OF INVENTION: PO TITLE OF INVENTION: DE
                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                               TELEPHONE: (202) 659-1462
                 STRANDEDNESS: si
TOPOLOGY: linear
                                                TYPE: NUCLEIC ACID
                                                                                                                                                                                                                    NAME: Weilacher, Robert G. REGISTRATION NUMBER: 20,53
                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 199208
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U
ZIP: 20036
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NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC
DETECTION SYSTEMS
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                                                                                                                                                                                                    06/87-48009
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RESULT 7
US-07-925-695-1
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Best Local Sim:
Matches 293;
                                                                                   COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 287402/91
FILING DATE: 09-AUG-1991
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 360441/91
FILING DATE: 09-BCC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REGISTRATION NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: OKAMOTO, H.
APPLICANT: NAKAMURA,
TITLE OF INVENTION: P.
TITLE OF INVENTION: P.
TITLE OF INVENTION: D.
                  TELEFAX: (202) 659-14
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington
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                                                                          TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: Beveridge, DeGrandi, Weilacher & Young
1850 M Street, N.W., Suite 800
                                                          (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                             (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Floppy disk
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86.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiroaki
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NON-A, NON-B HEPATITIS VIRUS GENOME POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC
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Pred. No. 5.3e-71;
0; Mismatches 47;
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RESULT 8
US-07-925-695-2
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GENERAL INFORMATION:
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Best Local Similarity 70.6%; Pred. No. 8.2e-71;
Matches 240; Conservative 53; Mismatches 47
                                                                 APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
ANAME: Weilscher Pohert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: OKAMOTO, HAPPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
TELECOMMUNICATION INFORMATION
              NAME: Weilacher, Robert G. REGISTRATION NUMBER: 20,531 REFERENCE/DOCKET NUMBER: 06
                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1850 M St
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                    ZIP:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/07925695
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                                                                                                                                                                                                                                                          US/07/925,695
                  06/87-48009
                                                                                                                                                                                                                                                                                                   Version
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APPLICATION NUMBER: US/0 FILING DATE: APPLICATION NUMBER: 07/6 FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:

07/697,326

US/07/881,528

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RESULT 9
US-08-441-971-15
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Best Local Similarity 86.2%;
Matches 293; Conservative
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INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 9589 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Tai-An Cha
            APPLICATION NUMBER: US
FILING DATE: 16-MAY-15
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                          COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
FILING DATE:
                                                                                                                                                                                                                                                                    CITY: Boston
STATE: Massa
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                                                                                                                                                                                                                                                                                                          STREET:
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                                                                                                                                                                                                                                                                      Massachusetts
                                                                                                                                                                                                                                                                                                            600 Atlantic
                                                                                                                                                                                                                                                    USA
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                                                                          16-MAY-1995
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                                                                                              US/08/441,971
                  US/08/221,653
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                                                                                                                                                                                          5.25 inch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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Pred. No. 8.2e-71,
                                                                                                                                                                                                                                                                                                                              Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2;
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RESULT 10
US-08-221-653-15
; Sequence 15, Ap;
; Patent No. 6190
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Best Local Similarity 85.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (617) 720-244:
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                             SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
                                                                                        COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version
                                                                                                                                                                                                            CITY: Boston
                                                                                                                                                                                                                           STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 340 nucleotides
                                                APPLICATION NUMBER:
                                                                                                                                                                            COUNTRY:
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RESULT 11
US-08-442-144A-15
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                                                                                                                                                                                                                    ; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An (
APPLICANT: Eileen E
APPLICANT: Bruce II
                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/08442144A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
INDIVIDUAL ISO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 07/61
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                  APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                  NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29, REFERENCE/DOCKET NUMBER:
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TOPOLOGY: linear
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                          COUNTRY:
                                                STATE:
                                                                                STREET:
                                                                 CITY: Emeryville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   241
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                 94608-2916
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CATGACAAACAGCAAGGGGCAATCCTGCGGGTACAGGCGTTGCCGCGCGAGCGGAGTGCT
                                                California
                                                                                  4560 Horton Street
                                 USA
                                                                                                                                                                                                                                                           Tai-An Cha
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85.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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SOFTWARE: Microsoft Wo CURRENT APPLICATION DATA:

OPERATING SYSTEM:

PE: Diskette, 3.5 Inch
IBM Compatible
SYSTEM: Windows NT
Microsoft Word 97

MEDIUM TYPE: COMPUTER: IE

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                                                                                                                                                                                                                   US-08-441-970-15
                                                                                                                                                                                                                                      RESULT 12
                                                                                                                                                          Sequence 15, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                    NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacke, P.C.
                                                                                                         APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Sin
hes 291;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
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TELEFAX: 215-568-3439
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                                                                                                                                                                                                                                                                                          301
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                                                                                                                                                                                                                                                                                                                                                                                                                                     181 CACCACCAGCATGGGCAACACGCTCACGTGCTACGTGAAAGCCAGAGCGGCGTGTAACGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                           181 CACCACCAGTATGGGGAACACCATCACGTGTTATGTGAAAGCCCTCGCAGCTTGTAAAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 CATGATGAACAGCAAAGGGCAGTCCTGCGGATACAGGCGTTTGCCGCGCGCTAGCGGAGTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 GCCTGAGGAGGCCCGAACTGCTATACACTCACTGACTGAGAGACTGTACGTAGGGGGGCC
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Boston
Massachusetts
                                                                                                                                                                                                                                                                                          GAGTCAGGGGGTCGAGGAAGATGAGCGGAACCTGAGAGTC 340
                                                                                                                                                                                                                                                                                                                  GAGTCAGGGGGCTGAGGAGGGACGAGGCGAAACCCTGAGAGTC 340
                                                                                                                                                                                                                                                                                                                                                               CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
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                                   600 Atlantic Avenue
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US-08-441-971-13

Application US/08441971

Sequence 13, Applicat Patent No. 6071693 GENERAL INFORMATION: APPLICANT: Tai-An

TITLE OF INVENTION:

HCV GENOMIC SEQUENCES FOR DIAGNOSTICS AND THERAPEUTICS 147

Tai-An Cha

NUMBER OF SEQUENCES:

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SEQUENCE CHARACTERISTICS:
LENGTH: 340 micls:
                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25
MEDIUM TYPE: Diskette, 5.25
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS Ve
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
301
                               301 GAGTCAGGGGGCTGAGGAGGAGGAGCGAAACCTGAGAGTC 340
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                                                                                                                                                             181 CACCACCAGTATGGGGAACACCATCACGTGTTATGTGAAAGCCCTCGCAGCTTGTAAAGC
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                                                                                               241 TGCGGGCATTGTTGCCCCCACGATGCTGGTGTGCGGCGATGACCTGGTTGTCATCTCAGA 300
                                                                                                                                                                                                                                                                                                                                                                                                     291; Conservative
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                                                                                                                                                                                                                                                                                                                                      nucleic acid
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GAGTCAGGGGTCGAGGAAGATGAGCGGAACCTGAGAGTC
                                                                  CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
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85.6%;
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Pred. No. 2.4e-70;
0; Mismatches 49
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CORRESPONDENCE ADDRESS:

ADDRESSEE:

600 Atlantic Avenue

Wolf, Greenfield & Sacks, P.C.

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RESULT 14
US-08-221-653-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: US
FILLING DATE:
APPLICATION NUMBER: US
FILING DATE:
APPLICATION NUMBER: 07
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OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NIMBERS
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ATTORNEY/AGENT INFORMATION:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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REGISTRATION NUMBER: 29,809
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TOPOLOGY: lin
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                                                                     AAGCCAGGGGACTGAGGAGGAGGGGGAACCTGAGAG 338
                                                                                                      GAGTCAGGGGGCTGAGGAGGAGCGAAACCTGAGAG 338
                                                                                                                                                             TGCGGGCATTGTTGCCCCCACGATGCTGGTGTGCGGCGATGACCTGGTTGTCATCTCAGA 300
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                                                                                                                                        TGCAGGGATAGTTGCACCCTCAATGCTGGTATGCGGCGACGACTTAGTTGTCATCTCAGA
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16-MAY-1995
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84.9%;
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MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
US-08-221-653-13
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (617) 720-24
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
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CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM com
OPERATING SYSTEM:
SOFTWARE: WordPer
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301 GAGTCAGGGGGCTGAGGAGGACGAGGCGAAACCTGAGAG
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                                                                                                                                                                                                                        121 CATGATGAACAGCAAAGGGCAGTCCTGCGGGGTACAGGGGGTTGCCGCGCGTAGCGGAGTGCT
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                                                                                        TGCGGGCATTGTTGCCCCCCACGATGCTGGTGTGCGGCGATGACCTGGTTGTCATCTCAGA 300
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84.9%;
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Pred. No. 9.6e-69;
0; Mismatches 51
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; ORIGINAL SOURCE:
; INUVIDUAL ISOLATE: ns5k2
US-08-442-144A-13
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US-08-442-144A-13
                            δ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No. 6214583
GENERAL INFORMATION:
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MEDIUM TYPE: Diskette, 3.5 Inch
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION NUMBER: 08/21,653
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 4560 Horton Street CITY: Emeryville STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
STREET: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 94608-2916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
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181
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                                                                                                                      121 CATGATGAACAGCAAAGGGCAGTCCTGCGGATACAGGCGTTGCCGCGCTAGCGGAGTGCT
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CACCACTAGCATGGGGAACACCATCACATGCTATGTAAAAGCCCCTAGCGGCTTGCAAGGC
                            CACCACCAGTATGGGGAACACCATCACGTGTTATGTGAAAGCCCTCGCAGCTTGTAAAGC
                                                                               GCCTGAGGAGGCTCACATTGCCATACACTCGCTGACTGAGAGGCTCTACGTGGGAGGGCC
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Search completed: January 11, 2006, 10:56:44 Job time: 83.331 secs

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Result
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Maximum DB seq length: 2000000000
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                          January 11, 2006, 04:38:01; Search time 82.331 Seconds (without alignments) 7340.750 Million cell updates/sec
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Maximum Match 100%
Listing first 45 summaries
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/cgm2_6/ptcdata/1/ina/5_COMB.seq:*
/cgm2_6/ptcdata/1/ina/6A_COMB.seq:*
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/cgm2_6/ptcdata/1/ina/RE_COMB.seq:*
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                     US-08-836-075A-73
US-09-878-281A-145
US-09-878-281A-145
US-07-925-695-4
US-07-925-695-2
US-08-836-075A-69
US-08-836-075A-79
US-08-836-075A-79
US-08-836-075A-79
US-08-441-971-15
US-08-441-971-13
US-08-441-971-13
US-08-441-971-13
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US-08-441-971-16
US-08-441-971-16
US-08-441-971-16
US-08-441-171-17
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US-08-441-171-16
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47.8	47.8		47.8	47.8	47.8	47.8	48.7	49.2	49.2	54.8	56.3	57.5	66.4	66.4	66.5	68.4	68.4	68.4	68.4	68.9
340	340	340	340	340	340	340	340	1773	340	340	340	335	9511	9511	340	340	340	340	340	340
ω	w	ω	ω	ω	W	ω	W	ω	w	w	ω	ω	N	N	w	w	ω	w	w	w
US-08-441-970-8	US-08-442-144A-10	US-08-442-144A-8	US-08-221-653-10	US-08-221-653-8	US-08-441-971-10	US-08-441-971-8	US-08-836-075A-61	US-09-720-095A-1	US-09-878-281A-159	US-08-836-075A-99	US-08-836-075A-105	US-08-836-075A-101	US-07-925-695-7	US-07-925-695-6	US-09-878-281A-215	US-08-441-970-17	US-08-442-144A-17	US-08-221-653-17	US-08-441-971-17	US-08-441-970-14
Sequence 8, Appli	Sequence 10, Appl	Sequence 8, Appli	Sequence 10, Appl	Sequence 8, Appli	Sequence 10, Appl	Sequence 8, Appli	Sequence 61, Appl	Sequence 1, Appli		Sequence 99, Appl	Sequence 105, App	Sequence 101, App	Sequence 7, Appli	Sequence 6, Appli	'n	Sequence 17, Appl	Sequence 17, Appl	-	Sequence 17, Appl	Sequence 14, Appl

ALIGNMENTS

US-08-836-075A-73

Sequence 73, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION:

```
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 10NS:004
INFORMATION FOR SEQ ID NO: 73:
                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 77210.4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text ou:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SEQUITITLE OF INVENTION: AND THEIR TITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                  TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
HYPOTHETICAL:
                                                               STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
                                                                                                         LENGTH:
                                                                               nucleic acid
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RESULT 2
US-08-836-075A-71
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US-08-836-075A-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 340; I
Best Local Similarity 100.0%; Pred. No. 1.7
Matches 340; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 6180768
GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                REFERENCE/DOCKET NUMBER: 11
INFORMATION FOR SEQ ID NO: 71:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
TITLE OF INVENTION: AGENTS
SEQUENCE
                                                                 FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA
                                                                                                                               APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                     APPLICATION NUMBER: PCT/I
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                          FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 21 Apr 19
                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
                                             NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: P.O. I
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STREET: P.O. BOX 4433
                                                                                                                    APPLICATION NUMBER: EP 95870076.7
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CHARACTERISTICS
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                                                                                                                                                                       EP 94870166.9
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                                INNS:004
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Pred. No. 1.7e-97;
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT FILING DATE: 2001-66-12
RUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 145
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: lin;
; MOLECULE TYPE:
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-836-075A-71
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US-09-878-281A-145
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GENERAL INFORMATION:
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                                                                                                                                                                            Query Match
Best Local
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                                                                                                                                                                Local Similarity
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                                                                       ACCCGAGCAAGCCCGAACTGCCATACATTCATTGACTGAGAGACTTTACGTAGGAGGGCC
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                 CATGATGAACAGCAAGGGACAGTCCTGCGGTTACAGACGTTGCCGGCGCAGCGGAGTGCT
                                                                                                                                    CTCAACAGTCGCGGAGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT
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 CATGCTAAACAGCAAAGGGCAAACCTGCGGATACAGACGCTGCCGCGCCAGCGGAGTGTT
                                                      ACCCGAGCAGGCACGGACTGCCATACACTCACTGACTGAGAGGCTTTACGTGGGAGGGCC
                                                                                                           GAGTCAGGGGGCTGAGGAGGAGGAGGCGAAACCTGAGAGTC
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                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/09878281A
                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                        New sequences of hepatitis and therapy
                                                                                                                                                                           77.9%;
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87.1%;
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                                                                                                                                                                0; Mismatches
                                                                                                                                                                           Score 264.8; DB 3
Pred. No. 9.5e-74;
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Pred. No. 2.9e-75;
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                                                                                                                                                                                         DB 3;
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                                                                                                                                                                                         Length 340;
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US-07-925-695-4
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GENERAL INFORMATION:
                                                                                                                                     Matches
                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                   TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
TELES: WUI 64470
INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 2693 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: JP 360441/91 FILING DATE: 05-DEC-1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: JP 287402/91 FILING DATE: 09-AUG-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: UPFILING DATE: 19920807 CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: OKAMOTO, I
APPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington STATE: D.C.
                                                                                                                                                                                                                TOPOLOGY:
                                                                                                                                                                                                                                  STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET:
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 2334 CTCAACCGTCACTGAGAGAGACATCAGGACTGAGGAGTCCATATATCGGGCTTGTTCCTT
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                                                                                                                                 291;
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o. 5428145
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                 ACCCGAGCAAGCCCGAACTGCCATACATTCATTGACTGAGAGACTTTTACGTAGGAGGGCC
                                                                                      CTCAACAGTCGCGGAGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT
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1850 M Street, N.W., Suite 800
                                                                                                                                 76.9%; ilarity 85.6%; Conservative
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                                                                                                                            Score 261.6; DB 2,
Pred. No. 2.2e-72;
0; Mismatches 49
                                                                                                                                                               DB 2;
                                                                                                                                 49;
                                                                                                                                                                 Length 2693;
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US-07-925-695-1
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                                                            Matches 241;
                                                                                                Query Match
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Patent No. 5428145
GENERAL INFORMATION:
                                                                                                                                                                                                                                TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: JP 3
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 19920807
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TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: OKAMOTO, Hiroaki APPLICANT: NAKAMURA, Tetsuo
                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                              LENGTH: 9589 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TORNO COLUMN
                                                                                                                                                                                                                                                                                                                                                 NAME: Weilacher, Robert G. REGISTRATION NUMBER: 20,53 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
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CITY: Washington
                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                         TELEFAX:
                                                                                                                                                                                                                                                                                           TELEPHONE: (202) 659-28
TELEFAX: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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1 CTCAACAGTCGCGGAGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT 60
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С
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1850 M Street, N.W., Suite 800
                                                            Conservative
                                                                                                                                                        linear
                                                          76.9%; Score 261.6; DB 2; 70.9%; Pred. No. 3.6e-72; ative 50; Mismatches 49;
                                                                                                                                                                                                                                                                                                                 659-2811
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NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
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ER: 06/87-48009
                                                            Indels
                                                                                            Length 9589;
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GENERAL INFORMATION:
Query Match
                                                                                                                                              APPLICATION NUMBER: JP 287402/91
APPLICATION DATA: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION UNMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-480
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1059-2811
TELECAX: (202) 659-1462
                                                                                                  TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 1930807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TITLE OF INVENTION:
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                                                                         LENGTH:
TYPE: N
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CITY: Washington
                                            TOPOLOGY:
                                                             STRANDEDNESS:
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                                                       H: 9589 base pairs
NUCLEIC ACID
DEDNESS: single
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                                              linear
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50 M Street, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NON-B HEPATITIS VIRUS GENOME, POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC DETECTION SYSTEMS
 76.9%;
                                                                                                                                                                                                    06/87-48009
 Score 261.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                POLYPEPTIDES, ANTIGEN, ANTIBODY AND
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2;
Length 9589;
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; GENERAL INFORMATION:
APPLICANT: MARRTENS,
APPLICANT: STUYVER, L
TITLE OF INVENTION: N
TITLE OF INVENTION: A
TITLE OF INVENTION: A
ITILE OF INVENTION: A
ITILE OF INVENTION: A
INVENTION: A
INVENTION: A
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                                                                                    REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO:
                                                                                                                                           FILING DATE: 28 JUN 1995
ATTORNEY/AGENT INFORMATION:
NAME: KANAMETERS
                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                         APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91
                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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CITY: H
                                  LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 77210-4433
                                                                                                                       NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
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                    STRANDEDNESS:
 ropology:
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o. 6180768
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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0; Mismatches 49;
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RESULT 8
US-08-836-075A-79
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                    COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compartible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075.
                                       APPLICATION NUMBER: PCT/EP
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 958
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: VALMETER PATTERN
                                                                                                                                                                                                                                                                                                            STATE: 14...
STATE: 15A
COUNTRY: USA
77D: 77210-4433
FRANCASEE F
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                                                                                                                                                                                      FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
             NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
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REFERENCE/DOCKET NUMBER:
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85.4%;
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AND THEIR USE AS
AGENTS
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INNS:004
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Pred. No. 2.4e-71;
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Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &

600 Atlantic Avenue

COMPUTER: LL...

OPERATING SYSTEM: MS-DUS VC.

OPERATING SYSTEM: MS-DUS VC.

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA: US/08/4

APPLICATION NUMBER: US/08/4

TTING DATE: 16-MAY-1995

415

MS-DOS Version 3.3

5.25 inch

US/08/441,971

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,

COUNTRY: CITY: Boston

USA

Massachusetts

FILING DATE: 16-MAY-: CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION NUMBER: U

ATTORNEY/AGENT INFORMATION:

APPLICATION NUMBER: 07/ FILING DATE: 8 May 1991

FILING DATE: APPLICATION NUMBER: FILING DATE

US/07/881,528 07/697,326

US/08/221,653

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RESULT 9
US-08-441-971-15
; Sequence 15, Application US/08441971
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Best Local Similarity 84.1%;
Matches 286; Conservative
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ANTI-SENSE:
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Pred. No. 3.3e-70;
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RESULT 10
US-08-221-653-15
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                                                                                                                                                                                                                                                                                                                             Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                               Sequence 15, Application US/08221653 Patent No. 6190864
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                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WOrdPerfect 5.1
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA
          APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 435
                                                                                                                                                                                             CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                              ZIP: 02210
                                                                                                                                                                               COUNTRY:
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Similarity 83.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAGTCAGGGAACCGAGGAGGAGTC 340
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Pred. No. 1.1e-69;
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Patent No. 6214583
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
PAPPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
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US-08-442-144A-15
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FILING DATE: 8 May 1991

FILING DATE: 8 May 1991

ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809

REFERENCE/DOCKET NUMBER: C0772/7000

TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                             Sequence 15, Application US/08442144A
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Best Local Similarity
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 15:
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                   NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
                              STREET: 4560 Hort
CITY: Emeryville
STATE: California
COUNTRY: USA
ZIP: 94608-2916
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                                California
                                                                  4560 Horton Street
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83.8%;
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Pred. No. 1.1e-69;
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                                                                                                                                       SEQUENCES FOR AND THERAPEUTICS
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COMPUTER READABLE FORM:

MEDIUM TYPE: COMPUTER: II

OPERATING SYSTEM:

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RESULT 12
US-08-441-970-15
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                                                                                  PATENT NO. 6297370

GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                       5-08-4-2
Sequence 15, Approximately No. 6297370
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Matches
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FILING DATE: APRIL 1, 1994
AFTORNEY/AGENT INFORMATION:
NAME: DOTEEN YALKO TRUJILLO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                        NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
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LENGTH: 340 Nucleotides
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              STREET:
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TELEFAX: 215-568-3439
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
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                                                                                                                                                                                                                                                            GAGTCAGGGAACCGAAGGATGAGCGGAACCTGAGAGTC 340
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                                                                                                                                                               Application US/08441970
Massachusetts
                            600 Atlantic Avenue
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IBM Compatible
SYSTEM: Windows NT
Microsoft Word 97
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N: 435
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Pred. No. 1.1e-69;
0; Mismatches 55
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RESULT 13 US-08-441-971-13

Sequence 13, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS

HCV GENOMIC SEQUENCES FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES:

147

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Best Local Similarity
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 536 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
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TOPOLOGY: lin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/0 FILING DATE: 16-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
301
                                  301
                                                                                                                                        181
                                                                                                                                                              181 CACCACCAGCATGGGGAATACCATCACATGCTATGTGAAGGCATTAGCTGCCAGAGC 240
                                                                                                                                                                                                             121
                                                                                                                                                                                                                                 121 CATGATGAACAGCAAGGGACAGTCCTGCGGTTACAGACGTTGCCGCGCCCAGCGGAGTGCT 180
                                                                                                      241 TGCAGGCATCGTTGCTCCCACGATGCTGGTTTGTGGCGACGATCTGGTCATCATCTCAGA 300
                                                                                                                                                                                                                                                                                                                                                                                                                         285;
                                                                                                                                                                                                                                                                                                          61 ACCCGAGCAAGCCCGAACTGCCATACATTCATTGACTGAGAGACTTTTACGTAGGAGGGCC 120
                                                                                                                                                                                                                                                                                   61 GCCTGAGGAGGCCCGAACTGCTATACACTCACTGACTGAGAGACTGTACGTAGGGGGGGCC
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                                                                                                                                                                                                                                                                                                                                                                      1 CTCAACAGTCGCGGAGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid
                                GAGTCAGGGAACCGAGGAGGATGAGCGGAACCTGAGAGTC 340
                                                                     CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
                                                                                                                                        CACCACCAGCATGGGCAACACGCTCACGTGCTACGTGAAAAGCCAGAGCGGCGTGTAACGC
                                                                                                                                                                                                             GAGTCAGGGGGTCGAGGAAGATGAGCGGAACCTGAGAGTC 340
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                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                          74.1%;
83.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 252; DB 3;
Pred. No. 1.1e-69;
                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                           55;
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120

240

CORRESPONDENCE ADDRESS:

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RESULT 14
US-08-221-653-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local
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CURRENT APPLICATION NUMBER
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ORIGINAL SOURCE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO'
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
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CITY: Boston
STATE: Massac
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 340 nucleotides
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                                                                                    GAGTCAGGGAACCGAGGAGGATGAGCGGAACCTGAGAG 338
                                                                                                                                                                                                                                                                                                                                                                                         CTCAACAGTCGCGGAGAGAGACATCAGGACCGAGGAGTCCATTTACCTTGCCTGCTCCTT
                                                              AAGCCAGGGACTGAGGAGGACGAGCGGAACCTGAGAG 338
                                                                                                                         TGCAGGGATAGTTGCACCCTCAATGCTGGTATGCGGCGACGACTTAGTTGTCATCTCAGA
                                                                                                                                            CACCACTAGCATGGGAACACCATCACATGCTATGTAAAAGCCCTAGCGGCTTGCAAGGC
                                                                                                                                                                                                               CATGTTCAACAGCAAGGGCCAGACCTGCGGGTACAGGCGTTGCCGCGCCAGCGGGGTGCT
                                                                                                                                                                                                                                                                           GCCTGAGGAGGCTCACATTGCCATACACTCGCTGACTGAGAGGCTCTACGTGGGAGGGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA
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16-MAY-1995
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83.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                               Score 248.4; DB 3;
Pred. No. 1.4e-68;
0; Mismatches 56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 340;
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Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
APPLICATION NUMBER: 07/697,32
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janlik, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS V SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
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CITY: Boston
STATE: Massac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
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GAGTCAGGGAACCGAGGAGGATGAGCGGAACCTGAGAG 338
                                                                                                                                                                                                  CATGATGAACAGCAAGGGACAGTCCTGCGGTTACAGACGTTGCCGCGCCAGCGGAGTGCT 180
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SYSTEM: MS-DOS Version 3.3
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83.4%;
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Pred. No. 1.4e-68;
0; Mismatches 56;
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                                                                                                                                                                                                                                                                                                                                                                                                            340;
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AAGCCAGGGGACTGAGGAGGAGCGAGCGGAACCTGAGAG 338

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Patent No.
                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                             Matches 282; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 Inc
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,
FILING DATE: MAY 16, 1995
CLASSIFICATION LATA:
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 08/221,653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: APRIL 1, 19
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE DOCKET NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                INDIVIDUAL ISOLATE: ns5k2
                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
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California
                 GCCTGAGGAGGCTCACATTGCCATACACTCGCTGACTGAGAGGCTCTACGTGGGAGGGCC
CACCACTAGCATGGGGAACACCATCACATGCTATGTAAAAGCCCTAGCGGCTTGCAAGGC
                                                               CATGTTCAACAGCAAGGGCCAGACCTGCGGGGTACAGGCGTTGCCGCGCCAGCGGGGGTGCT
                                                                                                                                                             ACCCGAGCAAGCCCGAACTGCCATACATTCATTGACTGAGAGACTTTACGTAGGAGGGCC
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Bruce Irvine
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83.4%;
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1, 1994
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                                                                                                                                                                                                                                                          Score 248.4; DB 3; Length 340; Pred. No. 1.4e-68; 0; Mismatches 56; Indels 0
                                                                                                                                                                                                                                                             0;
                                                                                                                                                                                                                                                             Gaps
                                                              180
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Search completed: January 11, 2006, 10:56:44
Job time: 82.331 secs

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Database
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/cgn2_6/ptodata/1/ina/6_COMB.seq:*
/cgn2_6/ptodata/1/ina/6_COMB.seq:*
/cgn2_6/ptodata/1/ina/FCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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ALIGNMENTS

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Sequence 75, Application US/08836075A
PATENT NO. 6180768
GENERAL INFORMATION:
APPLICANT: MARRIENS, GERRY
APPLICANTON: AGENTS
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AGTCACGCCCRACGTAKNCGTGAGCCGACCTGGTGCCCTAACCGAGGGTTTGCGATCGCA
                                                                                                          CATGGTGACTAACGACTGTTCAAACAGYAGCATCACCTGGCAGCTTNNGNNCGCGGTGCT
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REFERENCE/DOCKET NUMBER: 06/8
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEPHONE: (202) 659-1462
TELEYAX: (202) 659-1462
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 9589 base pairs
TELEX: NULLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                              Query Match
Best Local S
Matches 795
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ZIP: 20036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Ve)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/925,695

FILING DATE: 19920807

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION UMBER: JP 287402/91

FILING DATE: 09-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 360441/91

PRIOR APPLICATION UMBER: JP 360441/91

ATTORNEY/AGENT INFORMATION:

NAME: Wellacher, Robert G.

REGISTRATION NUMBER: 20,531
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APPLICANT: NAKAMURA, Tel
TITLE OF INVENTION: POL:
TITLE OF INVENTION: DETI
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
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STATE: D.C.
COUNTRY: US
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                                    CGNACANCCTCCAGGCCCCCCCCCCCCCGGGAGAGCCATAGTGGTCTGCGGAACCGGTGAG
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TACACCGGAATTGCCGGGAAGACTGGGTCCTTTCTTGGATAAACCCCACTCTATGCCCGGC
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                                                                                                            73.6%; Score 879; DB 2; 1 larity 66.5%; Pred. No. 2.9e-265; Conservative 196; Mismatches 204;
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A, Tetsuo
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                                                       TGGCGCGATAATGATAGCTGCCCAAGTGGTCATCGTCTCGCCGGAGCATCATCACTTTGT
                                                                                              CAUDGACAUGGUUGUGAUGUCCGCCACGCUCUGCUCCGCUCUUUACGUGGGGACCUCUG
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Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hi
APPLICANT: NAKAMURA, T
ITTLE OF INVENTION: NC
ITTLE OF INVENTION: PC
ITTLE OF INVENTION: DE
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US-07-925-695-2
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Best Local Similarity 82.6%;
Matches 987; Conservative
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ZIP: 20036

COMPUTER READABLE FORM:

MEDLUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Ve

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/925,695

FILING DATE: 19920807

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (202) 659-146:
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: JP 287
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
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TYPE: NUCLEIC ACID
STRANDEDNESS: single
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CITY: Washington
STATE: D.C.
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                                                           TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCCGGGAGGTCTCGTAGACCGTGCATCAT 240
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1850 M Street,
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Pred. No. 2.9e-265;
4; Mismatches 204; Indels
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US-07-925-695-6
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   Sequence 6, Application US/07925695
Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
TITLE OF INVENTION: NON-1,
TITLE OF INVENTION: POLYNUCLEOT
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Tetsuo NON-A, NON-B HEPATITIS VIRUS GENOME, POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN,
      ANTIBODY
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TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loc
Matches
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FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION UNMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELEPHONE: (202) 659-2811
TELEPHONE: (202) 659-2811
TELEPHONE: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,69;
FILING DATE: 19920807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: DE NUMBER OF SEQUENCES: 9 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
STREET: 18:
CITY: Wash
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mes 762; Conserv
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                                                               NCCCAGGINGNGINTATGCGCAACGANGAAGACINCCGAACAGICCCAGCCACGIGGGAG
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                                                                                                                        CGTTAAGTTCCCGGGCGGTGGCCAGATCGTTGGCGGAGTATACTTGTTGCCNTGCAGGGG
                                                                                                                                                                                GAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAGAAACACTAACCGCCGCCCACAGGA
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      GCGCCAGCCCATCCCGAAAGATCGGNGCACCACTGGCAAGTCCTGGGGACGTCCAGGATA
                                                                                                                                                                 GAGCACAAAUCCUAAACCUCAAAGAAAAACCAAAAGAAACACAAACCGCCGCCCACAGGA
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Conservative 203;
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Pred. No. 8.4e-252;
)3; Mismatches 227;
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RESULT 5
US-07-925-695-7
                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hire
APPLICANT: NAKAMURA, Tet
TITLE OF INVENTION: NON-
TITLE OF INVENTION: POLL-
TITLE OF INVENTION: DETI
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/07925695
Patent No. 5428145
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                       STATE: D
                                                                                                      STREET: 1850 M St
CITY: Washington
                                                        ZIP: 20036
                                                                                                                                               ADDRESSEE:
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                                                                                                                           E: Beveridge, DeGrandi, Weilacher & Young 1850 M Street, N.W., Suite 800
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DETECTION SYSTEMS
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
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APPLICATION NUMBER: JP 3
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Weilacher, Robert G. REGISTRATION NUMBER: 20,531 REFERENCE/DOCKET NUMBER: 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: JP 2 FILING DATE: 09-AUG-1991
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TELEFAX: (202) 6
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Pred. No. 8.4e-252;
9; Mismatches 227;
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RESULT 6
US-08-150-204E-96
; Sequence 96, Application
; Patent No. 6538126
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                 PARK, Young Woo
LIM, Kook Jin
CHOI, Deog Young
SO, Hong Seob
KIM, Chun Hyung
KIM, Sung Taek
YANG, Jae Young
TITLE OF INVENTION: HEPATITIS C DIAGNOSTICS AND VACCINES
CORRESPONDENCE ADDRESS:
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                                                                       COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5inch,
COMPUTER: IBM PC/pentium
OPERATING SYSTEM: Windows
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
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                                                                                                                                                                                      ADDRESSEE: YANG, Jae Young
STREET: 386-1, Doryong-dong, Y
CITY: Daejeon
STATE: Daejeon
COUNTRY: Republic of Korea
ZIP: 305-340
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                     APPLICATION NUMBER: US/08/150,204E FILING DATE: 20-Apr-1994 CLASSIFICATION: <Unknown>
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   APPLICATION DATA:
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US-08-150-204E-96
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Best Local Similarity
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SEQUENCE CHARACTERISTICS:
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FILING DATE: 6-AUG-1991
ATTORNEY/AGENT INFORMATION:
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REFERENCE/DOCKET NUMBER: 26
TELECOMMUNICATION INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: double
CGCCCCAGTAGGNGGCGTCGCCAGAGCTCTCGCGCATGGCGTGAGAGTCCTTGGAGGACGG
                                                                                   GGTCATCGATACCCTCACGTNCGGCTTTNCCGACCTCATGGGGTACATTCCCGTCGTTGG
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                                                                                                                                                                                                              CCCTTGGCCCCTCTATGGCAATGAGGGCTTGGGGTGGGCAGGATGGCTCCTGTCACCCCG
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TELEFAX: (212) 940-8776
                                                            GGTCATCGACACCCTCACATGCGGCTTCGCCGACCTCATGGGGTACATTCCGCTCGTCGG
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Qy 121 CATTTGGGCGTGCCCCCGCAAGACTGCTARCCGAGTAGCGTTGGGGTTGCGAAAAGGCCTTG 180		1 CGNACANCCTCCAGGCCCCCCCCCCCCGGGAGAGCCATAGTGGTCTGCGGAACCGGTGAG 60	Query Match 62.5%; Score 747.4; DB 3; Length 9595; Best Local Similarity 75.8%; Pred. No. 7.4e-224; Matches 904; Conservative 4; Mismatches 284; Indels 0; Gape 0;	NGTH: PE: DN GANISM 014-41	FILING DATE: 1997-07-18 PF SEQ ID NOS: 65 Patentin Ver. 2.1	FILE REFERENCE: 2026 CURRENT APPLICATION CURRENT FILING DATE: EARLIER APPLICATION	APPLICANT: Emerson, Susanne U. APPLICANT: Purcell, Robert H. TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND TITLE OF INVENTION: USES THEREOF	Patent No. 6153421 GENERAL INFORMATION: APPLICANT: Yanagi, Masa APPLICANT: Bukh, Jens	O HI	Qy 1141 CCAGGACTGTAACTGTTCCATCTACCCGGGCCACATAACGGGCCTCGTATG 1192	Qy 1081 TGGCGCGATAATGATAGCTGCCCAAGTGGTCATCGCCTGGCCGGAGCATCACCTTTGT 1140	Qy 1021 CATCGACACCATCGTAGCGTCGCAACATTTTGTTCTGCCCTCTACATAGGGGATGTATG 1080	Qy 961 AGTCACGCCCRACGTAKNCGTGAGCCGACCTGGTGCCCTAACCGAGGGTTTGCGATCGCA 1020	Qy 901 TCACGTTCCTGGATGCGTCCCCTGTGAACGAGAGGGCAACAGTTCCCGGTGCTGGATTCC 960	Qy 841 CATGGTGACTAACGACTGTTCAAACAGYAGCATCACCTGGCAGCTTNNGNNCGCGGTGCT 900	Oy 781 TCTGTCCTGAATTACCGNGCCAGTTTCTGCTGTGGAAATCAAAAACACAGMAACACATA 840	Qy 721 GATAAACTATGAAACAGGGAACCTCCCCCGGTTGCTCTTTCTCTATCTCCCCTCCTTGCTCT 780	Db 765 CGCCCCCTAGGGGGCGTTGCCAGGGCCCTGGCACATGGTGTCCGGGTGCTGGAGGACGG 824
RESULT 8 US-09-014-	D Q	D Qy	유 성	QQ dQ	d dy	D Q	Qy dd	Qy Db	D Qy	dd Qy	d dd	D Qy	g Qy	Qу	Qy db	Qy Db	Qy Db	Db
8 914-416-6	1141 CCAGGACTGTAACTGTTCCATCTACCCGGGCCACATAACGGGGCCTCGTATG 1192	1081 TGGCGCGATAATGATAGCTGCCCAAGTGGTCATCGCTCTCGCCGGAGCATCATCACTTTGT 1140	1021 CAPICGACACCATICGTAGCGTCCGCAACARTTTCTTCTGCCCTCTACATAAGGGGATGTATG 1080		901 TCACGTTCCTGGATGCGTCCCCTGTGAACGAGAGGGCAACAGTTCCCGGTGCTGGATTCC 960	841 CATGGTGACTAACGACTGTTCAAACAGYAGCATCACCTGGCAGCTTNNGNNCGCGGTGCT 900	781 TCTGTCCTGAATTACCGNGCCAGTTTCTGCTGTGGAAATCAAAAACACCAGMAACACATA 840	721 GATAAACTATGAAACAGGGAACCTCCCCGGTTGCTCTTTCTCTATCTCCCCTCCTTGCTCT 780	661 CGCCCCAGTAGGNGGCGTCGCCAGAGCTCTCGCGCATGGCGTGAGAGTCCTGGAGGACGG 720	601 GGTCATCGATACCCTCACGTNCGGCTTTNCCGACCTCATGGGGTACATTCCCGTCGTTGG 660	541 GGGCTCCCGCCCGTCATGGGGGCCCCACGGACCCCCGGCATAGGTCGCGCAACTTGGGTAA 600	481 TCCTGGCCCCTGTATGGGAACGAGGGCCTCGGGTGGGCAGGGTGGCTCCTGTCCCCCG 540	421 GCGCCAGCCCATCCCGAAAGATCGGNGCACCACTGGCAAGTCCTGGGGACGTCCAGGATA 480	361 NCCCAGGINGNGINTATGCGCAACGANGAAGACTNCCGAACAGICCCAGCCACGIGGGAG 420	301 CGTTAAGTTCCCGGGCGGTGGCCAGATCGTTGGCGGAGTATACTTGTTGCCNTGCAGGGG 360	241 GAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAGAAACACTAACCGCCGCCCACAGGA 300 	181 TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCATCAT 240	224 GATTTGGGCGTGCCCCCGCGAGACTGCTAGCCGAGTAGTGTTGGGTCGCGAAAGGCCTTG 283

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APPLICANT: Bukh, Jens
APPLICANT: Emerson, Susanne U.
APPLICANT: Emerson, Susanne U.
APPLICANT: Emerson, Susanne U.
APPLICANT: Emerson, Susanne U.
APPLICANT: Purcell, Robert H.
TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES.
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 2064276
CURRENT APPLICATION NUMBER: US/09/014,416
CURRENT FILING DATE: 1998-01-27
EARLIER APPLICATION NUMBER: US 60/053,062
EARLIER PILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 65
SOFTMARE: Patentin Ver. 2.1
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                                                                GGTCATCGATACCCTTACATGCGGCTTCGCCGATCTCATGGGGTACATTCCGCTCGTCGG
                                                                                      GGTCATCGATACCCTCACGTNCGGCTTTNCCGACCTCATGGGGTACATTCCCGTCGTTGG
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Pred. No. 7.4e-224;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PATENT NO. 585458

GENERAL INFORMATION:
APPLICANT: Okamoto, Hire
APPLICANT: Okamoto, Hire
APPLICANT: NAKamura, Tet
TITLE OF INVENTION: OLIC
TITLE OF INVENTION: APPLITITE OF INVENTION: APPLITITE OF INVENTION: HEPA
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 9
US-08-470-426B-14
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                                                                                          CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-153402
APPLICATION NUMBER: JP 2-153402
FILING DATE: 12-UIN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
TELEFAX: (202) 659-14
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                      ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                  TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1462
                                                                                                                                                                                                                                     APPLICATION NUMBER: US/01 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1850 M St
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Beveridge, DeGrandi, Weilacher & ADDRESSEE: L.L.P. STREET: 1850 M Street, N.W., Suite 800
                                                                          REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47083.1
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Best Local Similarity
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LENGTH: 1863 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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TCACGTTCCTGGATGCGTCCCCTGTGAACGAGGGCAACAGTTCCCGGTGCTGGATTCC
                              CCATGTCACGAACGACTGCTCCAACTCAAGCATTGTGTATGAGGCAGCGGACATGATCAT
                                                          CATGGTGACTAACGACTGTTCAAACAGYAGCATCACCTGGCAGCTTNNGNNCGCGGTGCT 900
                                                                                           GCTGTCCTGTTTGACCATCCCAGCTTCCGCTTATGAAGTGCGCAACGTGTCCGGGATATA
                                                                                                                           TCTGTCCTGAATTACCGNGCCAGTTTCTGCTGTGGAAATCAAAAACACCAGMAACACATA 840
                                                                                                                                                         CGTGAACTATGCAACAGGGAACTTGCCCCGGTTGCTCTTTCTCTATCTTCCTCTTTGGCTTT
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75.5%;
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Pred. No. 2.8e-222;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Highfield, Peter Edmur
APPLICANT: Rodgers, Brian Colin
APPLICANT: Tedder, Richard Seton
                                                                                                                             TELEFAX: (202) 833-5744 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                          FILING DATE: 17 DEC 1990
APPLICATION NUMBER: UK 89
FILING DATE: 18 DEC 1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UK 90
FILING DATE: 27 FEB 1990
PRIOR APPLICATION DATA:
APPLICATION UMBER: UK 90
FILING DATE: 03 MAR 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM AT COMPATIBLE
OPERATING SYSTEM: MS-DOS V3.2
SOFTWARE: Wordperfect 5.0 (DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/191,1
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 2116 base pair
                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 833-5740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy diskette, 5.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tedder, Richard Seton
APPLICANT: Barbara, John Anthony James
TITLE OF INVENTION: Viral Agent
                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                  STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                            NAME: E. Anthony Figg
REGISTRATION NUMBER: 27,195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 20006
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                                                      nucleotide with corresponding protein
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                 cDNA to genomic RNA
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LOCATION: from 308 to 2116 bp start of the PT-NANBH; LOCATION: polyprotein
OTHER INFORMATION: viral structural and non-structural; OTHER INFORMATION: proteins
US-08-191-160-21
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Best Local Similarity
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IMMEDIATE SOURCE:
LIBRARY: CDNA C
FEATURE:
LOCATION: from
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                   CATGGTGACTAACGACTGTTCAAACAGYAGCATCACCTGGCAGCTTNNGNNCGCGGTGCT
                                                     GCTGTCCTGTTTGACCATTCCAGCTTCCGCTTATGAAGTGCGCAACGTGTCCGGGATCTA
                                                                             TCTGTCCTGAATTACCGNGCCAGTTTCTGCTGTGGAAATCAAAAACACCAGMAACACATA
                                                                                                              CGTGAACTATGCAACAGGGAATTTACCCGGTTGCTCTTTCTCTATCTTCCTCTTGGCTTT
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CCATGTCACGAACGATTGCTCCAACTCAAGCATCGTGTACGAGACAGCGGACATGATCAT
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US-08-324-977-3
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                                                                                                                                                                   APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION UMBER: US 08/099,706
FILING DATE: 30-JUL-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/324,977

FILING DATE: 18-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 2-167466

FILING DATE: 25-JUN-1990

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                APPLICATION NUMBER: US 07/769
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Stevens-Smith, Theresa
REGISTRATION NUMBER: 36,281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: OKAYAMA
APPLICANT: FUKE, I
APPLICANT: MORI, C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YGSHIDA, Iwao
TITLE OF INVENTION: ONLA, NON-B HEPATITIS V
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPBI
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong, Westerman, Hattori,
ADDRESSEE: Naughton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
SOFTWARE: ASCII
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CITY: Washington
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ZIP: 20006
REFERENCE/DOCKET NUMBER:
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US-08-324-977-3
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TELEFAX: (202) 887-0357
TELEX: 440142
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Sim Matches 894;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature LOCATION: 1..1499
OTHER INFORMATION: /notOTHER INFORMATION: ID 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
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                                             CGCCCCAGTAGGNGGCGTCGCCAGAGCTCTCGCGCATGGCGTGAGAGTCCTGGAGGACGG
                                                                                                       GGTCATCGATACCCTCACGTNCGGCTTINCCGACCTCATGGGGTACATTCCCGTCGTTGG
                                                                                                                                                            CGGCTCCCGGCCTAGTTGGGGCCCCACGGACCCCCGGCGTAGGTCGCGTAATTTGGGTAA
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Pred. No. 2.6e-219;
4; Mismatches 294;
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APPLICANT: COKAYAMA, Hirot
APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Al
           CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 07/769,996
FILING DATE: 02-OCT-1991
APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-330921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
                                                                                                                                                                                                                                                                         ZIP: 20006

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC comp
                                                                                                                                                                                                                              MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, Vers: SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: YOSHIDA, Iwao
TITLE OF INVENTION: NON-A, NON-B HEPATITIS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPE
                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                               STATE:
                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1725 K St
CITY: Washington
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A.
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Best Local Similarity
Matches 894; Conserv
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 28-DEC-1990 ATTORNEY/AGENT INFORMATION: NAME: Stevens-Smith, The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA: APPLICATION NUMBER:
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LOCATION:
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LOCATION: 1..1499
OTHER INFORMATION: /note=
OTHER INFORMATION: ID NO:
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REFERENCE/DOCKET NUMBER: 900703B
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APPLICANT: OKAYAM
APPLICANT: FUKE,
                                                            SOFTWARE: ASCII
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
US_08/904,686A
                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Vers
                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOMIC TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 50
                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, AV
APPLICANT: YOSHIDA, Iwao
                FILING DATE: 01-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                STATE: D
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                                                                                                                                                                                                 ZIP: 20006
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FILING DATE:
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TAKAMIZAWA, Akahisa
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; FEATURE:
; NAME/KEY: misc_feat;
; LOCATION: 1..1499
; OTHER INFORMATION:
; OTHER INFORMATION:
US-08-904-686A-3
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Best Local Similarity 75.0
Matches 894; Conservative
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TELEFAX: (202) 887-0357
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
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APPLICATION UNMBER: JP 2-
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: cDNA from genomic
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REGISTRATION NUMBER: 31,541
REFERENCE/DOCKET NUMBER: 900703G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 0 FILING DATE: 30-JUL-1993
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                             NCCCAGGINGNGTNTATGCGCAACGANGAAGACTNCCGAACAGTCCCAGCCACGTGGGAG
                                                                 CGTCAAGTTCCCGGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGGGG
                                                                                        CGTTAAGTTCCCGGGCGGTGGCCAGATCGTTGGCGGAGTATACTTGTTGCCNTGCAGGGG
                                                                                                                                  GAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCCCCCCACAGGA
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CCCCAGGTTGGGTGCGCGCGCCCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGAAG
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ID NO:
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Pred. No. 2.6e-219;
4; Mismatches 294;
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                                                                               GENERAL INFORMATION:

APPLICANT: CKAYANA, HITOTO
APPLICANT: CHIE, ISAO
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akahisa
APPLICANT: YOSHIDA, IYAO
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong, Westerman, HeadDRESSEE: Naughton
STREET: 1725 K St. N.W. Suite 1000
CITY: Washington
STATE: D.C.
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                                                               Armstrong, Westerman, Hattori,
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Best Local Similarity
Matches 894; Conserv
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SEQUENCE CHARACTERISTICS:
LENGTH: 1499 base pairs
TYPE: nucleic acid
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APPLICATION NUMBER: US 07/769,996
FILING DATE: 02-OCT-1991
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
                                                                                                                                                                                                                                                                                                      FEATURE:

NAME/KEY: misc feature

LOCATION: 1..1499

OTHER INFORMATION: /noi

OTHER INFORMATION: ID 1
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REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER:
FILING DATE: 30-JUL-
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FILING DATE: 18-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-167466
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APPLICATION NUMBER: US/01
FILING DATE: 01-AUG-1997
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APPLICATION NUMBER: US/09/315,850
FILING DATE:
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ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
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TELEFAX: (202) 887-0357
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	US-08-324-977-1 Query Match 61.2%; Score 731.4; DB 2; Length 9416; Best Local Similarity 75.0%; Pred. No. 7.9e-219; Matches 894; Conservative 4; Mismatches 294; Indels 0; Gaps 0;	: CDS: 3339362	nucleic DNESS: Y: lin	440142 FOR SEQ ID HARACTERIST	BER: RMATI RMATI 9-293	C-199 ATION h, Th	APPLICATION NUMBER: US 07/769,996 FILING DATE: 02-OCT-1991 FRIOR APPLICATION DATA: APPLICATION NUMBER: US 07/635 451	PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/099,706 FILING DATE: 30-JUL-1993 PRIOR APPLICATION DATA:	FILING DATE: 31-AUG-1990 FRIOR APPLICATION NUMBER: JP 2-305605 FILING DATE: 09-NOV-1990	APPLICATION NUMBER: JP 2-167466 FILING DATE: 25-JUN-1990 PRIOR APPLICATION DATA: JP 2-230921 APPLICATION NUMBER: JP 2-230921	CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/324,977 FILING DATE: 18-OCT-1994 PRIOR BERITATION DATA:	**************************************	STATE: D.C. COUNTRY: U.S.A. TIP: 20006 EDEADABLE FORM.	ADDRESSEE: Armstrong, Westerman, Hattori, McLeland & ADDRESSEE: Naughton STREET: 1725 K St. N.W. Suite 1000 CITY: Washington	NVENTION: NVENTION: SEQUENCES:	GENERAL INFORMATION: APPLICANT: OKAYAMA, Hiroto APPLICANT: FUKE, Isao APPLICANT: FUKE, Isao APPLICANT: TAKAMIZAMA, Akahisa APPLICANT: TAKAMIZAMA, Akahisa	
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1303057 seqs, 888780828 residues
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/cgn2_6/ptcodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptcodata/1/ina/H_COMB.seq:*
/cgn2_6/ptcodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcodata/1/ina/RE_COMB.seq:*
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                   US-08-836-075A-77
US-08-441-971-16
US-08-221-653-15
US-08-441-970-16
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US-08-441-970-14
US-08-441-971-13
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ALIGNMENTS

ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA: Sequence 77, Application US/08836075A Patent No. 6180768 APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 OCt 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775 REFERENCE/DOCKET NUMBER: I INFORMATION FOR SEQ ID NO: 77: GENERAL INFORMATION: APPLICANT: MAERTENS, C APPLICANT: STUYVER, LI TITLE OF INVENTION: NE TITLE OF INVENTION: AN TITLE OF INVENTION: AN TOPOLOGY: 1: MOLECULE TYPE: SEQUENCE CHARACTERISTICS: LENGTH: 340 base pairs CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: STATE: THE COUNTRY: STRANDEDNESS: ADDRESSEE: HOUSTON : 340 base pairs TEXAS P.O. USA linear ARNOLD, WHITE O. BOX 4433 CDNA single NEW SEQUENCES (
AND THEIR USE)
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GENERAL INFORMATION:
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Best Local Similarity
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 INFORMATION
                                                                                     APPLICATION NUMBER: US/08/221,
FILING DATE:
APPLICATION NUMBER: US/07/881,
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
COMPUTER: IBM compat
OPERATING SYSTEM: MS
                              REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                           SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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PRIOR APPLICATION DATA:
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    Application US/08441971
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FOR SEQ ID NO:
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100.0%; Pred. No. 5.3e-87;
tive 0; Mismatches 0;
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Patent No. 6190864
GENERAL INFORMATION:
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Best Local Similarity
Matches 283; Conserv
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TOPOLOGY: line
MOLECULE TYPE: D
ORIGINAL SOURCE:
                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version
SOFTMARE: Wordberfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
           ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
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                                                            FILING DATE: 07/APPLICATION NUMBER: 07/FILING DATE: 8 May 1991
                                                                                                                                                          APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                          CITY:
                                                                                                           APPLICATION NUMBER:
REFERENCE/DOCKET NUMBER:
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                                                                                                                                                                                                                                                                                                                         Massachusetts
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                                                                                                                                                                                                                                                                                                                                                         600 Atlantic Avenue
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                                                                             07/697,326
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                                                                                                             US/07/881,528
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 C0772/7000
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Pred. No. 2.8e-61;
0; Mismatches 56;
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GENERAL INFORMATION:
APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
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US-08-442-144A-16
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Best Local Similarity
Matches 283; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: 16:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
FILING DATE: MAY 16, 19
CLASSIFICATION: 435
                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5:
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows N.
SOTWARE: Microsoft Word 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (617) 720-3500
                                                                                                                                                      STREET: 4560 Horton Street CITY: Emeryville STATE: California COUNTRY: USA ZIP: 94608-2916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (617) 720-2441
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                                                                                                                                                                                                                                               ADDRESSEE:
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                                                                                   IBM Compatible
SYSTEM: Windows NT
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83.5%;
                                US/08/442,144A
                                                                                                                       3.5 Inch
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RESULT 5
US-08-441-970-16
; Sequence 16, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SE
; TITLE OF INVENTION: DIAGNOSTICS AN
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Best Local Similarity
Matches 283; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PILING DATE: APRIL 1, 1994
ATTORNEY AGENT INFORMATION:
NAME: DOTEON YAIKO TRUJILLO
REGISTRATION NUMBER: 35,719
REFERENCE/BOCKET NUMBER: CHIR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                         ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
                                                                                                                                                                   NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEB: Wolf, Greenfield & Sacks, P.C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5arg6
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APPLICATION NUMBER:
COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version 3. SOFTWARE: WordPerfect 5.1
                                                                                                    COUNTRY:
                                                                                                                          STATE:
                                                                                                                                        CITY: Boston
                                                                                                                                                         STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 340 Nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: Single
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TELEFAX: 215-568-3439
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                                                                                                                                                                                                                                                                                                                                                                                                                                        AGTCAGGGGACTGAGAGGGACGAGAACAACCTGAGACCT 340
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                                                                                                                      Massachusetts
                                                                                                                                                         600 Atlantic Avenue
                                                                                                      USA
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83.5%;
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                                                                                                                                                                                                                            SEQUENCES FOR AND THERAPEUTICS
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61 61

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241 241

301 301

CURRENT APPLICATION DATA:

US/08/441,970

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US-08-441-971-15
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                                                                                                                                                                                                           Sequence 15, Application US/08441971 Patent No. 6071693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS: LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                          NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
                                                                                                                                          APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: FILING DATE: 16-MAN CLASSIFICATION: 53
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STRANDEDNESS: sing
                                                              STREET: 600 CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                          COUNTRY:
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Similarity 83.5%;
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                                                                           600 Atlantic Avenue
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Pred. No. 2.8e-61;
"" amatches 56;
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                                                                                                                                             RESULT 7
US-08-221-653-15
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         Sequence 15, Application US/08221653
PATENT NO. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 72.5%;
Best Local Similarity 83.3%;
Matches 280; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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ORIGINAL SOURCE:
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PRIOR APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
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STRANDEDNESS: single
TOPOLOGY: linear
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RESULT 8
US-08-442-144A-15
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Best Local S
Matches 280
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  GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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ORIGINAL SOURCE:
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MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
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APPLICATION NUMBER:
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STREET: ...
ATTTY: Boston
Massar
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STRANDEDNESS: single
TOPOLOGY: linear
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APPLICATION NUMBER:
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                                                                                                              AGTCAGGGACTGAGAGGGACGAGAACAACCTGAGA 337
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600 Atlantic Avenue
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                            US/08442144A
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APPLICANT:
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APPLICANT:
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ZIP: 94608-2916
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AGTCAGGGGGTCGAGGAAGATGAGCGGAACCTGAGA
                   AGTCAGGGGACTGAGAGGGGACGAGACAACCTGAGA 337
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; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE:
US-08-442-144A-15
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APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 1, 1994
APPORNEY/AGENT INFORMATION:
NAME: DOTE APRIL 1, 1994
APPORNEY/AGENT INFORMATION:
NAME: DOTE NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 215-568-3100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: Nucleic Acid
STRANDEDNESS: Single
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TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Con
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Microsoft Word 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Emeryville
STATE: California
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GCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGAG
                              GCGGGCATTGTTGCACCCACAATGCTGGTGTGTGGCGACGACCTGGTCGTCATCTCAGAG 301
                                                                                                               ACCACTAGCATGGGGAATACTCTCACATGCTACTTGAAGGCCCAGGCGGCCTGCAGGGGCC
                                                                                                                                                                                                       ATGCAGAACAGCAAGGGGCAATCCTGCGGATACAGGCGCCTGCCGCGCCGCGCGGGGTGCTC
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                                                                                                                                                                        ATGACAAACAGCAAGGGGGAATCCTGCGGGTACAGGCGTTGCCGCGCGAGCGGAGTGCTC
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Janice Kolberg
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Pred. No. 2e-60;
0; Mismatches
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US-08-441-970-15
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Disketto
COMPUTER: IBM compat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
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COMPUTER: IBM compatibl
OPERATING SYSTEM: MS-DO
SOFTWADER.
                                                                                                                                                                                                                                                                                                                        Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid STRANDEDNESS: single
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                                                                          ACCACTAGCATGGGGAATACTCTCACATGCTACTTGAAGGCCCAGGCGGCCTGCAGGGCC 241
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                                                                                                                                                                                                                                         Application US/08441970
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83.3%;
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Pred. No. 2e-
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2e-60;
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                       301
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COMPUTER READABLE FORM: MEDIUM TYPE: Diskett

Diskette,

5.25

inch

COUNTRY: ZIP: 022 STATE:

02210

USA

Massachusetts

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US-08-441-971-14
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APPLICANT: Innogenetics N.V.
APPLICANT: Invention: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Matches
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SEQ ID NO 145
LENGTH: 340
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Patent No. 676202
                                                                                                                   Sequence 14, Applicat:
Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
            CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
                                                               APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCW GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
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CITY:
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                                                                                                                                                                      Application US/08441971
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Pred. No. 3.5e-59;
0; Mismatches 60
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US-08-221-653-14
                                                                                                                              Sequence 14, Application US/08221653 Patent No. 6190864
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Best Local Similarity
Matches 277; Conserv
                                                                                          GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
               APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
ORIGINAL SOURCE:
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APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
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OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
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STRANDEDNESS: single
   ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 16-MAY-1995
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Wolf, Greenfield & Sacks, P.C.
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Pred. No. 4.5e-59;
0; Mismatches 59
                                                     SEQUENCES FOR AND THERAPEUTICS
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                                                                   RESULT 13
US-08-442-144A-14
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               Sequence 14, Application US/08442144A Patent No. 6214583
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881
FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2441
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
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ORIGINAL SOURCE:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
 APPLICANT:
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TOPOLOGY: linear
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OPERATING SYSTEM:
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82.4%;
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Best Local Similarity
Matches 277; Conserv
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
PILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION UMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA:
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ADDRESSEE: Chiron Corporation
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotide
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STATE: California
COUNTRY: USA
ZIP: 94608-2916
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TELEFAX: 215-568-3439
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                                   AGTCAGGGGACTGAGAGGGACGAGAACAACCTGAGA 337
                                                                                                       GCGGGCATTGTTGCACCCACAATGCTGGTGTGTGGCGACGACCTGGTCGTCATCTCAGAG 301
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Pred. No. 4.5e-59;
0; Mismatches 59;
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RESULT 14
US-08-441-970-14
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                                                                                                                                                                                                                                                                                                                                                                  Best Local Sir
Matches 277;
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/01
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS: Wolf, Gre
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242
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GCGGGGATTGTTGCTCCCACCATGCTGGTGTGCGGTGACGACCTGGTCGTCATCTCAGAG
                  GCGGGCATTGTTGCACCCACAATGCTGGTGTGTGTGGCGACCACCTGGTCGTCATCTCAGAG
                                                                                                        ACCACTAGCATGGGGAATACTCTCACATGCTACTTGAAGGCCCAGGCGGCCTGCAGGGCC
                                                                                                                                            ATGACAAACAGCAAGGGCCAATCCTGCGGGTACAGGCGTTGCCGCGCGAGCGCAGTGCTC
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600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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US-07-925-695-4
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: UP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION UNMBER: JP 360441/91
FILING DATE: 05-DEC-1991
APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: UP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
TELEDHOME: (2021) 680-2811
                                                                                                                                                                                                                                                                                                                                    Query Match 70.7%; Score 240.4; DB 2; Length 2693; Best Local Similarity 82.0%; Pred. No. 1.7e-58; Matches 277; Conservative 0; Mismatches 61; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/07925695 Patent No. 5428145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (202) 659-146
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Beveridge, DeGrandi, Weilacher & Young
STREET: 1850 M Street, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (202) 059-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: NUCLEIC ACID
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CITY: Washington
STATE: D.C.
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                                                                     2455 ATGTTCAACAGCAAGGGCCAGACCTGCGGGGTACAGGCGTTGCCGCGCCAGCGGGGGTGCTT 2514
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182 ACCACTAGCATGGGGAATACTCTCACATGCTACTTGAAGGCCCAGGGGGCCTGCAGGGGCC 241
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                                                                                                            SD
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Search completed: January 11, 2006, 10:56:48 Job time: 83.331 secs

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Result
No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence:
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Perfect score:
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Maximum Match 10
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Maximum DB seq length: 200000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      on:
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1: /ggn2_6/ptodata/1/ina/1_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

3: /ggn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /ggn2_6/ptodata/1/ina/H_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

7: /ggn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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Listing first 45 summaries
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                     US-08-836-075A-79
US-08-836-075A-71
US-08-836-075A-73
US-07-925-695-1
US-07-925-695-1
US-07-925-695-2
US-08-441-971-13
US-08-442-144A-13
US-08-441-970-13
US-08-441-970-15
US-08-441-970-15
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US-08-98-88-88-695-7
US-07-925-695-7
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US-08-836-075A-79
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, (APPLICANT: STUYVER, L. TITLE OF INVENTION: AUTITLE OF INVENTION: AUTITLE OF INVENTION: AUTITLE OF SEQUENCES:
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                                                                                                             LENGTH:
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ALIGNMENTS

, GEERT

THERAPEUTIC AND DIAGNOSTIC

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COUNTRY: USA

ZIP: 77210-4433

COMPUTER RADABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word 6.0 / ASCII text output

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A

FILING DATE: 21 Apr 1997

PRIOR APPLICATION NUMBER: PCT/EP95/04155

FILING DATE: 23 Oct 1995

PRIOR APPLICATION NUMBER: EP 94870166.9

FILING DATE: 23 Oct 1994

PRIOR APPLICATION NUMBER: EP 95870076.7

APPLICATION NUMBER: EP 95870076.7

FILING DATE: 23 Unu 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

NAME: KAMMERER, PATRICIA A.

NAME: KAMMERER JOCKET NUMBER: 19.775

REFERENCE/DOCKET NUMBER: 11NNS:004

INFORMATION FOR SEQ ID NO: 79:
HYPOTHETICAL:
                TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                 SEQUENCE CHARACTERISTICS:
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                                                           STRANDEDNESS: single
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P.O. BOX 4433
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Best Local Similarity
Matches 340; Conserv
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REFERENCE/DOCKET NUMBER: I
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
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3-836-075A-79
                                               APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORWATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
BEFERENCY/DOVGET NUMBER: 7705
                                                                                                                                                                                                 APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                            ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEC
TITLE OF INVENTION: AND THE
TITLE OF INVENTION: AGENTS
                                                                                                                                               APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
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STREET: P.O. BOX 4433
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                                      INNS:004
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RESULT 3
US-08-836-075A-73
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Matches
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                                                                                                                                              COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NDATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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TOPOLOGY: line
MOLECULE TYPE:
                       APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS: ARNOLD, W
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CITY: HOUSTON
STATE: TEXAS
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293; Conserv
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86.2%;
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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                              EP 95870076.7
                                                                                                                             EP 94870166.9
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Pred. No. 1.4e
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ATTORNEY/AGENT INFORMATION:

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Best Local S
Matches 286
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Patent No. 5428145
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NI
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19220807
                                                                                                                                                                                                                                                                                                                                            APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKANURA, Tetsuo
TITLE OP INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,
TITLE OP INVENTION: POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
TITLE OP INVENTION: DETECTION SYSTEMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
HYPOTHETICAL: 1
ANTI-SENSE: NO
               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                  STREET: 1850 M St.
CITY: Washington
STATE: D.C.
COUNTRY: US
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STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                          ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 GCCCGAGGAGGCCCGGACTGTCATACATTCGCTCACTGAGAGACTCTACATAGGCGGGCC 120
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                                                                                                                                                                                                                                                                   E: Beveridge, DeGrandi, Weilacher & Young 1850 M Street, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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JP 287402/91
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RESULT 5
US-07-925-695-1
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                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hirc
APPLICANT: NAKAMURA, Tee
TITLE OF INVENTION: NON
TITLE OF INVENTION: POLIT
TITLE OF INVENTION: DETE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                              Sequence 1, Applica
Patent No. 5428145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 74.1%;
Best Local Similarity 83.8%;
Matches 285; Conservative
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, V
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET UMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 2693 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: JP 360441/91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (202) 659-1462
                                                                                                                                  COUNTRY:
                                                                                                                                                      STATE: D.C
                                                                                                                                                                        CITY: Washington
                                                                                                                                                                                            STREET:
                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                        Application US/07925695
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                                                                                                                                                                                          E: Beveridge, DeGrandi, Weilacher & Young
1850 M Street, N.W., Suite 800
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                                                                                                                                                                                                                                                                                                                                               OKAMOTO, Hiroaki
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                                                                                                                                                                                                                                                                       DETECTION SYSTEMS
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Pred. No. 1.8e-65;
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                       Version
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                                                                                                                              Sequence 2, Application US
Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, HI
APPLICANT: NAKAMURA, T
TITLE OF INVENTION: NO
TITLE OF INVENTION: PO
TITLE OF INVENTION: DE
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                    RESULT 6
US-07-925-695-2
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APPLICATION NUMBER: JP 360441/91

FILING DATE: 05-DEC-1991

ATTORNEY/AGENT INFORMATION:

NAME: Weilacher, Robert G.

REGISTRATION NUMBER: 20,531

REFERENCE/DOCKET NUMBER: 06/87-48009

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 659-2811

TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JI
COMPUTER READABLE FORM:
                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: NUCLEIC ACID
                                             CITY: Washington STATE: D.C.
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               COUNTRY: U
ZIP: 20036
                                                                             ADDRESSEE: Beveridge, I
STREET: 1850 M Street,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
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                                                                                                                                                                                                                    OKAMOTO, Hiroaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-AUG-1991
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                                                                                                                                                NON-A, NON-B HEPATITIS VIRUS GENOME, POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC DETECTION SYSTEMS
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                                                                                                                                                                                                   Tetsuo
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                                                                               DeGrandi, Weilacher & Young
, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 48; Mismatches
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Pred. No. 2.7e-65;
8; Mismatches 55;
                                                                                                                                                                 POLYPEPTIDES, ANTIGEN, ANTIBODY
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Sequence 13, Application US/08441971

Patent No. 6071693

GENERAL INFORMATION:

APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
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US-08-441-971-13
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Best Local Similarity
Matches 285; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PAtentin Release #1.0, Version #1.25
SOPTWARE: PAtentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 287402/91
FILING DATE: 09-ANG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 360441/91
PRIOR APPLICATION NUMBER: UP 360441/91
PRIOR DATE: OS.DEC-1801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 9589 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/8
TELECOMMUNICATION INFORMATION:
TELECHIONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX:
                   STREET:
CITY: E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: NUCLEIC ACID
STRANDEDNESS: single
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                   Boston
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                                                                                                                                                                                                                                                                                                                                                                                   GAGTCAGGGGACCGAGGAGGACGAAATCTGAGAGTC 340
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Massachusetts
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83.8%;
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Pred. No. 2.7e-65;
0; Mismatches 55
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RESULT 8
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US-08-441-971-13
Sequence 13, Application US/08221653
PATENT NO. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 282; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
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MOLECULE TYPE:
ORIGINAL SOURCE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 16-MAY-1
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
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APPLICATION NUMBER:
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Pred. No. 1.1e-64;
0; Mismatches 56;
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RESULT 9 US-08-442-144A-13

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; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE:
US-08-221-653-13
                                                                                                                                                                                                                                                                                                                                                                                                            Matches 282;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEFAX: (617) 720-2441
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
APPLICATION NUMBER: 07/6:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
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SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
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ADDRESSEE: Wolf, Greenfield &
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
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AAGCCAGGGGACTGAGGAGGACGAGCGGAACCTGAGAG 338
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                                GAGTCAGGGGACCGAGGAGGACGAGCGAAATCTGAGAG 338
                                                                                                TGCCGGGATTGACGCCCCCACAATGTTGGTATGTGGCGACCACCTGGTGGTCATCTCAGA 300
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IBM compatible
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Pred. No. 1.1e-64;
0; Mismatches 56;
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Application US/08442144A

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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 Incl
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
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SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
APPLICANT: Elleen Beall
APPLICANT: Brice Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
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FILING DATE: MAY 16, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: Nucleic Acid
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241
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                                                                                                    181 CACCACTAGCATGGGCAATACCATCACGTGCTATGTGAAAGCCATGGCAGCTTGCAGAGC
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Emeryville
California
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                               TGCCGGGATTGACGCCCCCACAATGTTGGTATGTGGCGACGACCTGGTGGTCATCTCAGA
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83.4%;
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Pred. No. 1.1e-64;
0; Mismatches 56
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US-08-441-970-13
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Best Local Similarity
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APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: lir
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/441,970 FILING DATE: 16-MAY-1995
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                     CACCACTAGCATGGGCAATACCATCACGTGCTATGTGAAAGCCATGGCAGCTTGCAGAGC
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CACCACTAGCATGGGGAACACCATCACATGCTATGTAAAAGCCCCTAGCGGCTTGCAAGGC
                                                                                                                                    GCCTGAGGAGGCTCACATTGCCATACACTCGCTGACTGAGAGGCTCTACGTGGGAGGGCC
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83.4%;
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Pred. No. 1.1e-64;
0; Mismatches 56;
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Sequence 145, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C vir
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOCTWARE: Patentin version 3.1
SEQ ID NO 145
LENGTH: 340
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US-08-441-971-15
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US-09-878-281A-145
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                                                                                                                                                                                 Sequence 15, Application US/08441971 Patent No. 6071693
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Best Local Similarity
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                                                                                                                                                               GENERAL INFORMATION:
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                                                                                                                APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                              NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
     STATE: !
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                                    Boston
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82.6%;
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Pred. No. 7.8e-64;
                                                                                                                  SEQUENCES FOR AND THERAPEUTICS
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US-08-221-653-15
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Sequence 15, Application US/08221653
Fatent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC:
TITLE OF INVENTION: DIAGNOSTICS
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ORIGINAL SOURCE:
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TOPOLOGY: lir
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HCV GENOMIC SEQUENCES FOR DIAGNOSTICS AND THERAPEUTICS

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Best Local Similarity
Matches 279; Conservat
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UMBER: US
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 07/6
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
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MEDIUM_TYPE: Diskett
COMPUTER: IEM compat
COPERATION SYSTEM: MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Janiuk, Anthony REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/07/881,528 FILING DATE:
                                                                                                                                                                                                                                                                       121 GATGATGAACAGCAAAGGCCAGTCCTGTGGATACAGGCGTTGTCGCGCGCCAGCGGGGTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CTCAACAGTCACGGAGAGGGACATCAGGAATGAGGAGTCCATATTCCTGGCCTGCTCGTT
                          GAGTCAGGGGACCGAGGACGAGCGAAATCTGAGAGTC 340
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GAGTCAGGGGGTCGAGGAGGAGATGAGCGGAACCTGAGAGTC
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82.1%;
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NUMBER OF SEQUENCES:

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                RESULT 14
US-08-442-144A-15
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Best Local Similarity
Sequence 15, Application US/08442144A
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ATTORNEY AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM compatib
OPERATING SYSTEM: MS-D
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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STATE: Massac
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
APPLICATION NUMBER:
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                                                                              301
                                                                                                          301 GAGTCAGGGACCGAGGAGGACGAGCGAAATCTGAGAGTC 340
                                                                                                                                                                        241 TGCCGGGATTGACGCCCCCACAATGTTGGTATGTGGCGACGACCTGGTGGTCATCTCAGA 300
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                                                                                                                                           CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
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ilarity 82.1%;
Conservative
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SYSTEM: MS-DOS Version 3.3
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; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bileen Beall
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ANDESCENT, CHIEN CONTOCRATION
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Best Local Similarity 82.1%;
Matches 279; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/442,
APPLICATION: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,65:
APPLICATION NUMBER: 08/221,65:
APPLICATION NUMBER: 1, 1994
ATTORNEY AGENT INFORMATION:
NAME: DOTECT YATKO TXUJILO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
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STREET: 4:
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TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER:
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301
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GAGTCAGGGGACCGAGGAGGACGAAATCTGAGAGTC 340
                                                                 TGCCGGGATTGACGCCCCCACAATGTTGGTATGTGGCGACCTGGTGGTCATCTCAGA
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301 GAGTCAGGGGGTCGAGGAAGATGAGCGGAACCTGAGAGTC 340

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US-08-441-970-15
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                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                         Matches 279;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEX: EZEKIEL
TELEX: EZEKIEL
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INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5il0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
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TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
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                 181 CACCACTAGCATGGGCAATACCATCACGTGCTATGTGAAAGCCATGGCAGCTTGCAGAGC 240
 181
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                                                                                     121 GATGATGAACAGCAAAGGCCAGTCCTGTGGATACAGGCGTTGTCGCGCCCAGCGGGGTGTT 180
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                                                                 GCCTGAGGAGGCCCGAACTGCTATACACTCACTGACTGAGAGACTGTACGTAGGGGGGCC 120
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                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                      71.3%; Score 242.4; DB 3; Length 340; 82.1%; Pred. No. 7e-63;
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240
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Search completed: January 11, 2006, 10:56:49 Job time : 83.331 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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    Score
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seq length: 2000000000
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1: /cgm2_6/ptodata/1,

2: /cgm2_6/ptodata/1,

3: /cgm2_6/ptodata/1,

4: /cgm2_6/ptodata/1,

5: /cgm2_6/ptodata/1,

6: /cgm2_6/ptodata/1,

7: /cgm2_6/ptodata/1,

8: /cgm2_6/ptodata/1,

9: /cgm2_6/ptodata/1,

9: /cgm2_6/ptodata/1,
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Gapop 10.0 , Gapext 1.0
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340
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/cgn2 6/ptodata/1/ina/5 COMB.seq:*
/cgn2 6/ptodata/1/ina/6A COMB.seq:*
/cgn2 6/ptodata/1/ina/B COMB.seq:*
/cgn2 6/ptodata/1/ina/H COMB.seq:*
/cgn2 6/ptodata/1/ina/FCTUS COMB.seq:*
/cgn2 6/ptodata/1/ina/PCTUS COMB.seq:*
/cgn2 6/ptodata/1/ina/BE COMB.seq:*
/cgn2 6/ptodata/1/ina/BE COMB.seq:*
/cgn2 6/ptodata/1/ina/BE COMB.seq:*
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    GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd.
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                      US-08-836-075A-81
US-08-441-971-22
US-08-441-970-22
US-08-441-970-22
US-08-441-971-20
US-08-441-971-20
US-08-441-971-20
US-08-441-970-20
US-08-441-971-21
US-08-441-971-21
US-08-441-970-21
US-08-441-970-21
US-08-441-970-21
US-08-836-075A-87
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7340.750 Million cell updates/sec
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                      Sequence
                                        Sequence
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81, Appl
22, Appl
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20, Appl
20, Appl
20, Appl
21, Appl
21,
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US-08-836-075A-81
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GENERAL INFORMATION:
                      TOPOLOGY: 1: MOLECULE TYPE:
      HYPOTHETICAL:
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45	44	43	42	41	40	39	38	37	36	35	34	ω	32	31	30		28		26	25
166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4
48.9	48.9	48.9	48.9	48.9	48.9		48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9		48.9	48.9	48.9	48.9
8642	8639	8639	8638	8638	8638	8638	8638	8638	8638	8638	8637	1008	8001	1008	7995	7992	7992	7992	7992	7992
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US-10-029-907-2	US-10-309-561A-1	US-10-029-907-1	US-10-309-561A-25	US-10-309-561A-24	US-10-309-561A-7	US-10-309-561A-6	US-10-029-907-25	US-10-029-907-24	US-10-029-907-7	US-10-029-907-6	US-09-539-601-4	US-09-539-601-28	US-09-539-601-22	US-09-539-601-7	US-10-005-469-3	US-10-005-469-6	US-10-005-469-5	US-10-005-469-4	US-10-005-469-2	US-10-005-469-1
Sequence 2, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 25, Appl	Sequence 24, Appl	Sequence 7, Appli	Sequence 6, Appli	Seguence 25, Appl	Sequence 24, Appl	Sequence 7, Appli	Sequence 6, Appli	Sequence 4, Appli	Sequence 28, Appl	Sequence 22, Appl	Sequence 7, Appli	Sequence 3, Appli	Sequence 6, Appli	Sequence 5, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 1, Appli

ALIGNMENTS

Sequence 81, Application US/08836075A Patent No. 6180758 GENERAL IMPORMATION: APPLICANT: MARETENS, GEERT APPLICANT: MARETENS, APPLICANT: STUTYPER, LIEVEN ITILE OF INVENTION: AND HERATITIS C VIRUS GENOTYPES ITILE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207 CORRESPONDENCE ADDRESS: ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433 CITY: HOUSTON STRIE: TEXAS COUNTRY: USAS COUNTRY: OSA MEDICATION NUMBER: Plopy disk MEDICATION NUMBER: Plopy disk MEDICATION NUMBER: US/08/836,075A PILING DATE: 23 Oct 194 PRIOR APPLICATION NUMBER: BP 94870166.9 FILING DATE: 21 Oct 194 PRIOR APPLICATION NUMBER: BP 94870166.9 FILING DATE: 20 Sun 1955 PILING DATE: 20 Sun 1955 ATTORNEY/AGENT INFORMATION: NAME: KAMMERER, BP 94870166.9 FILING DATE: 20 Sun 1954 PRIOR APPLICATION NUMBER: BP 95870076.7 PILING DATE: 20 Sun 1954 APPLICATION NUMBER: BP 95870076.7 PILING DATE: 20 Sun 1954 APPLICATION NUMBER: BP 95870076.7 PILING DATE: 20 Sun 1954 PRIOR APPLICATION SERIE BP 95870076.7 PILING DATE: 20 Sun 1954 APPLICATION NUMBER: BP 95870076.7 PILING DATE: 20 Sun 1954 PRIOR APPLICATION SERIE BP 95870076.7 PILING DATE: 20 Sun 1954 PRIOR APPLICATION SERIE BP 95870076.7 PILING DATE: SUN SUN SERIE BP 95870076.7 PILING DATE: SUN SERIE BP 95870076.7 PILING DATE: SUN SUN SERIE BP 95870076.7 PILING DATE: SUN SUN SERIE BP 95870076.7 PILING DATE: SUN SUN SERIE BP 95870076.7 PRIOR APPLICATION SUN SERIE BP 95870076.7

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US-08-836-075A-81
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US-08-441-971-22
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 22,
Patent No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Tai-an Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
 INFORMATION
                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                            REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                         APPLICATION NUMBER: US/01
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
ERIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                           SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                           FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,8
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               TELEFAX:
TELEX: E
                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER:
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CITY: Boston
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APPLICATION NUMBER:
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EZEKIEL
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100.0%; Pred. No. 2.3e-99;
tive 0; Mismatches 0;
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                                                                            29,809
ER: C0772/7000
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US-08-221-653-22
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Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 253; Conserv
          FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U5/07/881,52:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                       OPERATING SYSTEM: MS-DOS Version SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5
COMPUTER: IBM compatible
                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                           COUNTRY: US
ZIP: 02210
                                                                                                                                                                                                                                                                                                                                                              CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                STREET:
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REFERENCE/DOCKET NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAGTGATGGCGTCAATGAGGA
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                                                                                                                                                                                                                                                                                                                          Massachusetts
: USA
                                                                                                                                                                                                                                                                                                                                                                                600 Atlantic Avenue
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Pred. No. 9.7e-59;
1; Mismatches 67;
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RESULT 4
US-08-442-144A-22
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                                                                                                                                                                                                                                                                                                                                                                  Sequence 22
Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 253;
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                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                             APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Brice Irvine
APPLICANT: Brice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUT!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                         OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3
COMPUTER: IBM Compatible
                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
APPLICATION NUMBER: UFILING DATE: MAY 16, CLASSIFICATION: 435
                                                                                                                                                            CITY: Emeryville
STATE: California
                                                                                                                                                                                         STREET:
                                                                                                                                               COUNTRY:
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                US/08/442,144A
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 COMPUTER: IEM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
                                                                                                                                                                                            NUMBER OF SEQUENCES:
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CITY: Boston STREET:

600 Atlantic Avenue

147

Massachusetts

COUNTRY:

USA

02210

Diskette,

5.25 inch

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US-08-441-970-22
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Sequence 22, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC S
TITLE OF INVENTION: DIAGNOSTICS J
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APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE:
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78.8%;
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Pred. No. 9.7e-59;
        SEQUENCES FOR AND THERAPEUTICS
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Gaps

127

60

120

180

187

APPLICATION NUMBER: FILING DATE: 16-MAY

IUMBER: US/08/441,970 16-MAY-1995

07/881,528

CLASSIFICATION:

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RESULT 6
US-08-441-971-20
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                                                                                                                                                                                   Sequence 20, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSES: Wolf, Greenfield &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
FILING DATE: 08-MAY-1
COMPUTER READABLE FORM:
                          STREET: 600 A
CITY: Boston
STATE: Massaci
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 78.8 res 253; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                              Massachusetts
                                                                           600 Atlantic Avenue
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78.8%;
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Pred. No. 9.7e-59;
1; Mismatches 67;
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                                                                                                                                           SEQUENCES FOR AND THERAPEUTICS
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TELLERAX: (D. TELLERAX: CZEKIEL
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
TYPE: nucleic acid
TYPE: nucleic single
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
US-08-441-971-20
                                                                                                                         US-08-221-653-20
                                                                                                                                         RESULT 7
Sequence 20, Application US/08221653
PATENT NO. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 07/697,32
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECHMUNICATION INFORMATION:
TELEPHONE: (617) 720-2500
TELEFAX: (617) 720-2441
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APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/07/881,528
FILING DATE:
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                                                                                                                                                                                          GAGTGATGGCGTCGACGAGGA 321
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78.5%;
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Pred. No. 3.2e-58;
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CORRESPONDENCE ADDRESS:

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RESULT 8
US-08-442-144A-20
; Sequence 20, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 07/697,3
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
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TELEFAX: EZEKIEL
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OPERATING SYSTEM:
SOFTWARE: WordPer
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STREET: 6
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                                                                                            GAGTGATGGCGTCGACGAGGA 321
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Pred. No. 3.2e-58;
1; Mismatches 68
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OPERATING SYSTEM:
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ZIP: 94608-2916
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CURRENT APPLICATION DATA:
APPLICATION UNDER: US/08/442,14
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION OBTA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNDER: 08/221,653
APPLICATION INFORMATION:
NAME: DOTEST NEORMATION:
NAME: DOTEST VALKO TRUJILO
REGISTRATION UNDER: 35,719
REFERENCE/DOCKET NUMBER: 35,719
REFERENCE/DOCKET NUMBER: 0100:
TELEPHONE: 215-568-3100
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INFORMATION FOR SEQ ID NO:
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APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
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STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 4560 Horton Street CITY: Emeryville
                                                                                                                                                                                                                                                               128 CATGTTCAACAGCAAGGGGCTCAAATGCGGATATCGCCGTTGCCGTGCTAGCGGTGTATT 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTCTACTGTCACTGAACAGGATATCAGGGTAGAAGAAGAAATATACCAATGTTGTGACCT
CGCAGGCCTCCGGAACCCCGGACTTTCTTGTCTGCGGAGATGATCTGGTCGTGGTGGCTGA
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                                              TGCGGGCCTTCAAGACCCATCATTCCTTGTCTGCGGAGATGATTTGGTGGTAGTGGCTGA
                                                                                                        GCCTACCAGCTTCGGCAACACAATCACTTGTTACATCAAGGCTAGAGCGGCTTCGAAGGC
                                                                                                                                                          GCCCACTAGCTACGGTAATACAATCACCTGCTACATCAAGGCCAGAGCGGCTGCTCGAGC 247
                                                                                                                                                                                                                 TATGTTCAACAGCAAGGGGGCCCAGTGTGGTTATCGCCGTTGCCGTGCTAGTGGAGTCCT
                                                                                                                                                                                                                                                                                                                 TGAACCGGAGGCCAGGAAAGTGATCTCCTCCCTCACGGAGCGGCTTTACTGCGGGGGCCC 120
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78.5%;
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Best Local S
Matches 252
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GENERAL INFORMATION:
APPLICANT: Tai-An
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 07/881
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,80
REFERENCE/DOCKET NUMBER: C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM: MS-D
SOFTWARE: WordPerfect
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                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
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TGCGGGCCTTCAAGACCCATCATTCCTTGTCTGCGGAGATGATTTGGTGGTAGTGGCTGA
                                               GCCTACCAGCTTCGGCAACACAATCACTTGTTACATCAAGGCTAGAGCGGCTTCGAAGGC
                                                                GCCCACTAGCTACGGTAATACAATCACCTGCTACATCAAGGCCAGAGCGGCTGCTCGAGC
                                                                                                           TATGTTCAACAGCAAGGGGGCCCAGTGTGGTGTATCGCCGTTGCCGTGCTAGTGGAGTCCT
                                                                                                                                CATGTTCAACAGCAAGGGGCTCAAATGCGGGATATCGCCGTTGCCGTGCTAGCGGTGTATT
                                                                                                                                                                      TGAACCGGAGGCCAGGAAAGTGATCTCCCTCCCTCACGGAGCGGCTTTACTGCGGGGGCCC 120
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78.5%;
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Pred. No. 3.2e
1; Mismatches
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US-08-441-971-21
                RESULT 11
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Best Local :
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TITLE OF INVENTION: CONTINUOUS IN-VITRO EVOLUTION
TITLE REFERENCE: 674537-2003
CURRENT APPLICATION NUMBER: US/09/674,677
CURRENT FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: PCT/AU99/00341
PRIOR FILING DATE: 1999-05-07
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: AU PD3445
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NAME/KEY: misc_feature
LOCATION: (1).-(176)
OTHER INFORMATION: DNA sequence of the hepatitis C virus RNA dependent RNA
OTHER INFORMATION: polymerase
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                                                                        CCGAGAGTGACGGCGTCGATGAGGATG 997
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77.4%;
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Pred. No. 2.8e-57
1; Mismatches 7
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Sequence 21, Application US/08441971
Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
NUMBER OF SEQUENCES: 147

SEQUENCES FOR AND THERAPEUTICS

CORRESPONDENCE ADDRESS:

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RESULT 12
US-08-221-653-21
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MOLECULE TYPE:
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REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:

APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: 1
FILING DATE:
APPLICATION NUMBER: 1
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILLING DATE: 16-MAY-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Diskett COMPUTER: IBM compat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 600 A
CITY: Boston
STATE: Massac
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Local Similarity 77.6%;
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COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
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 Application US/08221653
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Best Local Similarity
Matches 249; Conserv
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GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
APPLICATION NUMBER: 07/6:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
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PRIOR APPLICATION NUMBER: 1
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MEDIUM TYPE: Diskette,
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CURRENT APPLICATION DATA:
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ADDRESSEE: Wolf, Greenfield & Sacks, P.C
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   301
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                                                                                                       248 TGCGGGCCTTCAAGACCCATCATTCCTTGTCTGCGGAGATGATTTGGTGGTAGTGGCTGA 307
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                                                                                                                                                                                                                                     128 CATGTTCAACAGCAAGGGGCTCAAATGCGGATATCGCCGTTGCCGTTGCCTAGCGGTGTATT 187
                                                                                                                                                                                                                 121 TATGTTCAATAGCAAGGGGGCCCAGTGTGGTTATCGCCGTTGCCGTGCTAGTGGAGTTCT
                                                                                                                                                                                                                                                                                       61 TGAACCGGAGGCCAGGAAAGTGATCTCCCTCCCTCACGGAGCGGCCTTTACTGCGGGGGCCC
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                                   GAGTTGCGKCGTTGATGAGGA 328
                                                                        CGCAGGGCTCCGGACCCCGGACTTTCTCGTCTGCGGAGATGATCTGGTTGTGGTGGCTGA
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77.6%;
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US-08-442-144A-21
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GENERAL INFORMATION:
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Best Local
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APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
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LENGTH: 340 Nucleotide
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FILING DATE: APRIL 1, 19
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Diskette,
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SOFTWARE: Microso
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REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHI
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                               GCCCACTAGCTACGGTAATACAATCACCTGCTACATCAAGGCCAGAGCGGCTGCTCGAGC 247
                                                                                                                                    TGAACCGGAGGCCAGGAAAGTGATCTCCTCCCTCACGGAGCGGCTTTACTGCGGGGGCCC
                                                                                                                                                                   TGAGCCGGAGGCTAGACGGCAATCAAATCGCTCACGGAACGGCTTTACGTTGGAGGTCC 127
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 GCCTACCAGCTTCGGCAACACAATCACTTGTTACATCAAGGCTAGAGCGGCTGCGAAGGC
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Matches
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
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APPLICANT: Tai-An
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 07/881,528
APPLICATION NUMBER: 07/891,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US,
FILING DATE: 16-MAY-199
CLASSIFICATION: 536
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                     Local Similarity
les 249; Conserv
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                 CATGTTCAACAGCAAGGGGCTCAAATGCGGGATATCGCCGTTGCCGTGGCTAGCGGTGTATT 187
 TATGTTCAATAGCAAGGGGGCCCAGTGTGGTTATCGCCGTTGCCGTGCTAGTGGAGTTCT
                                                            TGAACCGGAGGCCAGGAAAGTGATCTCCTCCCTCACGGAGCGGCTTTACTGCGGGGGCCC
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                                                                                                                        Massachusetts
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Pred. No. 1.1e-56;
1; Mismatches 71
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                                                                                                                                                                                                                 Length 340
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 217
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-217
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Search completed: January 11, 2006, 10:56:50 Job time: 83.331 secs
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US-09-878-281A-217
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PATCHIX NO. 6762024
GRMERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 59.9%;
Best Local Similarity 76.9%;
Matches 247; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 308
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                                                                 TGCGGGCCTTCAAGACCCATCATTCCTTGTCTGCGGAGATGATTTGGTGGTAGTGGCTGA 307
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Result
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1303057 seqs, 888780828 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gapop 10.0 , Gapext 1.0
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/cgn2_6/ptcdata/l/ina/PCOMB.seq:*
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US-08-836-075A-83
US-09-878-281A-112
US-09-878-281A-112
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US-09-878-281A-111
US-08-836-075A-87
US-09-878-281A-207
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US-09-878-281A-207
US-09-878-281A-211
US-09-878-281A-211
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                                                                        Sequence 83, Appl
Sequence 116, App
Sequence 110, App
Sequence 201, App
Sequence 201, App
Sequence 211, App
Sequence 87, App
Sequence 87, App
Sequence 203, App
Sequence 207, App
Sequence 207, App
Sequence 208, App
Sequence 211, App
Sequence 213, Appl
Sequence 20, Appl
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US-08-836-075A-83
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49.8	49.8	49.8	49.8	50.1		50.3	50.3		50.3		50.8	50.8	50.8	•	50.8		50.8	•	50.9	50.9
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Sequence 3, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 55, Appl	Sequence 101, App	Sequence 21, Appl	Sequence 21, Appl	Sequence 21, Appl	21	Sequence 22, Appl	Sequence 5, Appli	Sequence 22, Appl	5,	Sequence 22, Appl	Sequence 5, Appli	Sequence 22, Appl	<u></u> ნ	17,	Sequence 17, Appl	Sequence 17, Appl

ALIGNMENTS

APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775 REFERENCE/DOCKET NUMBER: INNS:004 INFORMATION FOR SEQ ID NO: 83: SEQUENCE CHARACTERISTICS: Sequence 83, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION: COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII CURRENT APPLICATION DATA: APPLICATION UMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION UMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICANT: MAERTENS, CAPPLICANT: STUYVER, LITILE OF INVENTION: ATTITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF SEQUENCES: 2 TOPOLOGY: 1: MOLECULE TYPE: HYPOTHETICAL: COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk NUMBER OF SECURITY LENGTH: 340 base pairs TYPE: nucleic acid STRANDEDNESS: single COUNTRY: USA ZIP: 77210-4433 ADDRESSEE: ARNOLD, WH STREET: P.O. BOX 4433 CITY: HOUSTON TEXAS linear AGENTS 207 NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC LIEVEN GEERT ASCII text output

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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILLING DATE: 2001-06-12

NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 106
SEQ ID NO 106
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-106
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Best Local S
Matches 309
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Best Local
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Pred. No. 8.6e-92;
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Pred. No. 2e-77;
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; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-112
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APPLICANY: Innogenetics N.V.
APPLICANY: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 112
LENGTH: 340
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                      GAGCGATGGCGTAGAGGAGGAGAACCGAGCCCTCCNAGCC 340
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Pred. No. 2e-77
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US-09-878-281A-108
US-09-878-281A-108
i Sequence 108, Application US/09878281A
patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Inmogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, prophyrithe REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOCTWARE: Patentin version 3.1
SEQ ID NO 108
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-108

virus

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Length 340; Indels

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US-09-878-281A-110
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US-09-878-281A-110
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepati
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.1 SEQ ID NO 110
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Best Local :
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Pred. No. 1.5e-74;
0; Mismatches 37
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Pred. No. 1.5e-74;
0; Mismatches 37
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US-09-878-281A-201
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Best Local Similarity
Matches 295; Conserv
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TITLE OF INVENTION: New sequences of hepati
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
                                                                                                                         APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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87.0%;
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AND THEIR USE
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AND DIAGNOSTIC

OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / CURRENT APPLICATION DATA:

ASCII text output

IBM PC compatible SYSTEM: PC-DOS/MS-DOS

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RESULT 8
US-09-878-281A-116
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Best Local S
Matches 291
                                                                                                                                                                                        Sequence 116, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
SEQ ID
                                                       FILE REPERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INI
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
                               SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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ATTORNEY/AGENT INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: single
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US-09-878-281A-116
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APPLICANT: MAERTENS,
APPLICANT: STUYVER, I
TITLE OF INVENTION: I
TITLE OF INVENTION: I
TITLE OF INVENTION: I
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Best Local Similarity
Matches 291; Conserv
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                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
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TYPE: DNA
ORGANISM: hepatitis C virus
                                                                 APPLICATION NUMBER: EP 94
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 99
FILING DATE: 28 Jun 1995
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ADDRESSEE: ARNOLD, W
                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 77210-4433
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REFERENCE/DOCKET NUMBER:
              NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
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Pred. No. 5.5e-69;
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 207
LENGTH: 340
TYPE: DNA
RORANISM: hepatitis C virus
US-09-878-281A-207
                                                                                                                                                                                                                                                                                                                                                                                          RESULT 10
US-09-878-281A-207
; Sequence 207, Application US/09878281A
; Patent No. 6762024
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                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/878,281A CURRENT FILING DATE: 2001-06-12
                                                                                                                                                                                                                                                                                                                           APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
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HYPOTHETICAL:
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                                                                                                                                                             Local Similarity
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                          GGAGCCCGAGGCACGCAAGGTGATATCCGCTCTCACAGAAAGACTCTACAAGGGCGGCCC
                                                                 GGAGCCCGAAGCTCGCAAGGTTATTACCGCCCTCACAGAAAGACTCTACGTGGGCGGCCC
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83.2%;
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Pred. No. 5.6e
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Pred. No. 1.2e-66;
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            GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                               Sequence 114, Application US/09878281A Patent No. 6762024
  CURRENT APPLICATION NUMBER: US/09/878,281A
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; SEQ ID NO 203
; LENGTH: 340
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-203
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US-09-878-281A-203
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APPLICANT: Innogenetics N.V.
APPLICANTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Best Local Similarity
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
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of hepatitis C

virus

genotypes

for diagnosis, prophy

CURRENT FILING DATE:

2001-06-12

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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C v
TITLE OF INVENTION: And therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTMARE: Patentin version 3.1
SEQ ID NO 205
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-205
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 114
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
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Best Local Similarity
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Matches 281; Conserv
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Pred. No. 5.1e-64;
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US-09-878-281A-209
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 209
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 209, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, prophy
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                 Matches 278;
                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
LOCATION: (337)..(337)
OTHER INFORMATION: "n"
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OTHER INFORMATION: "n"
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NAME/KEY: misc_feature
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LOCATION: (23)..(23)
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LOCATION: (65)..(65)
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; OTHER INFORMATION: "n" is any nucleotide
US-09-878-281A-211
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US-09-878-281A-211
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Best Local Similarity
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Patent No. 6762024
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TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT ERFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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TYPE: DNA
ORGANISM: hepatitis C virus
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LOCATION: (333)...(334)
OTHER INFORMATION: "n" is any nucleotide
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NAME/KEY: misc_feature
LOCATION: (11)...(11)
OTHER_INFORMATION: "n" is
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/cgn2 6/ptcdata/1/ina/5 COMB.seq:*
/cgn2 6/ptcdata/1/ina/6A COMB.seq:*
/cgn2 6/ptcdata/1/ina/6B COMB.seq:*
/cgn2 6/ptcdata/1/ina/H COMB.seq:*
/cgn2 6/ptcdata/1/ina/PCTUS COMB.seq:*
/cgn2 6/ptcdata/1/ina/PCOMB.seq:*
/cgn2 6/ptcdata/1/ina/RE COMB.seq:*
/cgn2 6/ptcdata/1/ina/RE COMB.seq:*
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Copyright (c) 1993 - 2006 Compugen Ltd
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US-09-878-281A-207
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US-08-442-144A-20
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US-08-836-075A-85
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-442-144A-4
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-08-722-806A-1
-144A-7

ALIGNMENTS

Sequence 85, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION: APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SEQUENCES OF TITLE OF INVENTION: AND THEIR USE AS TITLE OF INVENTION: AGENTS NUMBER OF SEQUENCES: 207 CORRESPONDENCE ADDRESS: ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433 COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04166.9 FILING DATE: 23 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 PTILING DATE: 28 Jun 1995 PTILING DATE: 28 Jun 1995 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: SEQUENCE CHARACTERISTICS: 120 August 120 Augus FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775 REGISTRATION NUMBER: IN REFERENCE/DOCKET NUMBER: IN COMPUTER READABLE FORM: MEDIUM TYPE: Floppy TOPOLOGY: 1: MOLECULE TYPE: HYPOTHETICAL: ADDRESSEE: ARN STREET: P.O. B CITY: HOUSTON COUNTRY: USA ZIP: 77210-4433 STRANDEDNESS: single STATE: TEXAS linear Floppy disk NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC 85: INNS:004 & DURKEE

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SOFTWARE: PatentIn version 3.1
SEQ ID NO 207
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-207
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Matches 293
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Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
TITLE OF INVENTION: and therapy
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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TGCAGGCCTAAAAGACTGCACCATGCTGGTCTGCCGGTGACGACTTGGTCGTCGTCGATCGCCGA
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Pred. No. 4.5e-68;
2; Mismatches 45
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Best Local Similarity
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 83:
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TOPOLOGY: lines
MOLECULE TYPE: CI
HYPOTHETICAL: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
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STATE: USA
COUNTRY: USA
77210-4433
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                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: 21 Oct PRIOR APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
ARNOLD, WHITE &
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ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy disk
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CITY: H
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HOUSTON
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                                                                CATGCACAACAGCAAGGGAGACCTTTGTGGGTATCGGAGATGCCGCGCAAGCGGCGTCTA
                              CATGTATAACAGCAAAGGGGAGCTCTGCGGGGTATCGGAGGTGCCGCGCGAGCGGAGTGTA
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Pred. No. 1.6e-64;
2; Mismatches 53
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RESULT 5
US-09-878-281A-106
; Sequence 106, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatiti
; TITLE OF INVENTION: and therapy
; FILE REFERENCE: 35
; CURRENT APPLICATION NUMBER: US/09/878,281A
; CURRENT FILING DATE: 2001-06-12
; NUMBER OF SEQ ID NOS: 284
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US-09-878-281A-116
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Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, prophrittle OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 116
LENGTH: 340
TYPE: NAM
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ORGANISM: hepatitis
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Similarity 84.1%;
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Pred. No. 1.6e-64;
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US-08-836-075A-87
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Best Local Similarity
Matches 284; Conserv
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SEQ ID NO 106
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83.5%;
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Sequence 87, Application US/08836075A Patent No. 6180768
                                                        APPLICATION NUMBER: US/08/836,075A FILLING DATE: 21 Apr 1997 PRIOR APPLICATION DATA: PCT/EP95/04155 FILLING DATE: 23 Oct 1995 PRIOR APPLICATION UNMBER: EP 94870166.9 PILLING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: PRIOR APPLICATION DATA: PRIOR APPLICATION DATA: PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: MAERTENS, G
APPLICANT: STUYVER, LI
TITLE OF INVENTION: NE
TITLE OF INVENTION: AN
TITLE OF INVENTION: AC
APPLICATION NUMBER: EP 9
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH:
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                           CITY: HOUSTON STATE: TEXAS
                       28 Jun 1995
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US-09-878-281A-108
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                                                                                                                                                                                        SEQ ID NO 108
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 108, Application US/09878281A Patent No. 6762024
                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                                                    Matches 282;
                                                                                                                                                                                                                                                     APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepati
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
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Similarity 83.2%;
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                              GGARCCCGAAGCCCGCAAAGCAATATCCGCCCTCACAGAGAGRCTCTACTTGGGCGGCCC 120
                                                                             CTCCACGGTGACTGAAAAGGACATCAGGGTCGAGGAAGAGATCTATCAATGTTGTGACCT
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82.9%;
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Pred. No. 4e-6
2; Mismatches
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                                                                                                                                   Score 249.6; DB 3
Pred. No. 5.9e-63;
                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                   of hepatitis C virus
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55;
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C v
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT FILING DATE: 2001-06-12
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 110
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
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US-09-878-281A-110
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                        GAGCGAGGGCGTAGAGGAGGATTCCCAACCCCTCCGAGCC 340
                                                                                       TGCAGGCCTAAAAGACTGCACCATGCTGGTCTGCGGTGACGACTTGGTCGTCATCGCCGA 300
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                                                                    GTCAGGGCTGAGAGACTGCACTATGCTGGTCTATGGTGACGACCTGGT
                                                                                                                                     CACCACCAGCTTCGGGAACACACTGACGTGCTATCTCAAAGCCTCAGCCGCCATCAGGGC
                                                                                                                                                              CACCACAAGTTTCGGGAACACAGTGACCTGCTATCTTAAGGCCCACCGCAGCTACCAGGGC
                                                                                                                                                                                                      CATGCATAATAGCAAAGGAGACCTGTGCGGGTATCGCAGATGCCGCGCAAGCGGCGTCTA
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 GAGCGATGGCGTAGAGGAGGACAAACGAGCCCTCGGAGTC
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                                                                                                                                                                                                                                                                                                                                                                                                                         73.4%;
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Pred. No. 5.9e-63;
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US-09-878-281A-201
; Sequence 201, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
; TITLE OF INVENTION: and therapy
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; TYPE: DNA
; ORGANISM: hepatitis
US-09-878-281A-112
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US-09-878-281A-112
; Sequence 112, Application US/09878281A
; Patent No. 6762024
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APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT FILING DATE: 2001-06-12
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
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CURRENT FILING DATE: 2001-06-12
RUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 201
LENGTH: 340
                                                                                                                                                        Matches 280;
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Best Local
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Best Local Similarity
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                                                             GGARCCCGAAGCCCGCAAAGCAATATCCGCCCTCACAGAGAGRCTCTACTTGGGCGGCCC
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                                                                                                                                                                 Score 246.4; DB Pred. No. 5e-62;
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Pred. No. 1.2e-62;
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; Sequence 205, Application US/09878281A
; Patent No. 6762024
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New sequences of hej
; TITLE OF INVENTION: and therapy
; FILE REFERENCE: 35
; CURRENT APPLICATION NUMBER: US/09/878,20
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US-09-878-281A-205
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NUMBER: US/09/878,281A

of hepatitis

C virus

genotypes

for diagnosis,

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 114
; LENGTH: 340
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-114
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US-09-878-281A-114
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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Patent No. 6762024
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                                GAGCGAGGGCGTAGAGGAGGATTCCCAACCCCTCCGAGCC 340
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                                                                         CGCAGGTCTGAAAGGTTGCAGCATGCTGGTTTGTGGAGACGACTTAGTCGTCATCTGCGA
                                                                                                                                                      CACCACCAGCTTCGGGAACACTGTAACGTGTTATCTCAAGGCCGTTGCGGCTACTAGGGC
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GAGCGGCGCGTAGAGGAGGATGCAAGAGCCCTCCGAGCC
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82.1%;
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Pred. No. 1.5e-61;
2; Mismatches 59;
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CURRENT FILING DATE: 2001-06-12; NUMBER OF SEQ ID NOS: 284; SOFTWARE: PatentIn version 3.1; SEQ ID NO 205; LENGTH: 340; TYPE: DNA; ORGANISM: hepatitis C virus US-09-878-281A-205
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US-09-878-281A-203
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Best Local Sim:
Matches 279;
                                                                                                                                                                                                                                                           FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 203
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                                                               sequence 203, Application US/09878281A
Patent No. 6762024
                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                 Matches 278;
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                           GGARCCCGAAGCCCGCAAAGCAATATCCGCCCTCACAGAGAGRCTCTACTTGGGCGGCCCC
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82.1%;
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82.0%;
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Pred. No. 1.5
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GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatiti
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 211
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                                                                                   ; FEATURE:
, NAME/KEY: misc feature
; LOCATION: (340)..(340)
; OTHER INFORMATION: "n"
US-09-878-281A-211
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US-09-878-281A-211
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Best Local Similarity
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NAME/KEY: misc_feature
NAME/KEY: misc_feature
(327)..(327)
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LOCATION: (333)..(334)
OTHER INFORMATION: "n"
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LOCATION: (11)..(11)
OTHER INFORMATION: "n"
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GAGCGAGGGCGTAGAGGAGGATTCCCAACCCCTCCGAGC 339
                                                              TGCAGGCCTAAAAGACTGCACCATGCTGGTCTGCGGTGACGACTTGGTCGTCATCGCCGA
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Pred. No. 3.6e-59;
2; Mismatches 65
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RESULT 15
US-09-878-281A-209
US-09-878-281A-209
; Sequence 209, Application US/09878281A
; Patent No. 6762024
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 209
ENERGY 340
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 265; Conservative
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NAME/KEY: misc feature
LOCATION: (337)...(337)
OTHER INFORMATION: "n" is any nucleotide
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LOCATION: (277)...(277)
OTHER_INFORMATION: "n" is any nucleotide
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LOCATION: (72)..(72)
OTHER_INFORMATION: "n" is any nucleotide
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LOCATION: (65)..(65)
OTHER INFORMATION: "n" is
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NAME/KEY: misc feature
LOCATION: (23) ... (23)
OTHER INFORMATION: "n"
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LOCATION: (13)...(13)
OTHER INFORMATION: "n" is any nucleotide
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301 GAGCGAGGGCGTAGAGGGAGGATTCCCCAACCCCTCCGAGC 339
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                                                                            241 TGCAGGCCTAAAAGACTGCACCATGCTGGTCTGGGGTGACGACTTGGTCGTCATCGCCGA 300
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                                                         CGCGGGCTTGAAGGATTGCACCATGCTGGTCTGCGGNGACGACCTGGTTGTCATTGCTGA
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78.2%;
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Pred. No. 2.9e-56;
2; Mismatches 72; Indels 0;
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Search completed: January 11, 2006, 14:46:38 Job time: 101.519 secs

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Result
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seq length: 2000000000
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1: /cgn2_6/ptodata/1

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/cgn2_6/ptcdata/1/ina/5_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6A_COMB.seq:*
/cgn2_6/ptcdata/1/ina/6B_COMB.seq:*
/cgn2_6/ptcdata/1/ina/H_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcdata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
/cgn2_6/ptcdata/1/ina/RE_COMB.seq:*
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Copyright (c) 1993 - 2006 Compugen Ltd.
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US-09-878-281A-116
US-09-878-281A-110
US-09-878-281A-201
US-09-878-281A-201
US-09-878-281A-201
US-09-878-281A-201
US-09-878-281A-201
US-09-878-281A-211
US-09-878-281A-211
US-09-878-281A-205
US-08-441-971-20
US-08-441-971-20
US-08-441-970-20
US-08-441-970-20
US-08-441-970-20
US-08-441-970-20
US-08-441-970-20
US-08-441-970-21
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US-09-878-281A-112
US-09-878-281A-106
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87, Appl
112, Appl
116, App
166, App
166, Appl
116, Appl
116, Appl
110, Appl
110, Appl
201, Appl
202, Appl
203, Appl
204, Appl
205, Appl
207, Appl
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US-08-836-075A-87
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ALIGNMENTS

APPLICANT: MARETERS, GEERT
APPLICANT: MITVERN LIVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TORRESPONDENCE ADDRESS:
ADDRESSE: ADDRESS:
ADDRESSE: ARNOLD, WHITE & DURKEE
STREET: PO. BOX 4433
CITY: HOUSTON
TITLE OF SEQUENCES: 20
CONTYRY: USA
STATE: TEXAS
COMPUTER: LIPE DOWN 443
COMPUTER READABLE FORM:
MEDIUM TYPE: PLOPBY 44:8
COMPUTER: LIPE PO COMPALIBLE
COMPUTER: LIPE PO COMPALIBLE
COMPANION SYSTEM: PC-DOS/MS-DOS
SOFTMARE: MICCOSOFT WOOD 8.0 / ASCII text output
CURRENT APPLICATION NUMBER: US/OB/MS-DOS
SOFTMARE: MICCOSOFT WOOD 8.0 / ASCII text output
APPLICATION NUMBER: US/OB/MS-DOS
SOFTMARE: MICCOSOFT WOOD 8.0 / ASCII text output
APPLICATION NUMBER: US/OB/MS-DOS
FILING DATE: 21 Apr 1997
PRICE DATE: 21 Apr 1997
PRICE DATE: 21 OCT 1994
PRICE APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
PILING DATE: 21 OCT 1994
PRICE APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
PILING DATE: 21 OCT 1994
PRICE RAPICATION DATA:
APPLICATION NUMBER: EP 95870076.7
PRILING DATE: 22 UN 1995
PRICE RAPICATION DATA:
APPLICATION NUMBER: EP 95870076.7
PRILING DATE: 21 OCT 1994
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PRILING DATE: 21 OCT 1994
PRICE RAPICATION DATA:
APPLICATION NUMBER: EP 95870076.7
PRICE RAPICATION DATA:
APPLICATION NUMBER: EP 9587

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APPLICANT: Innogenetics N.V.
FITTLE OF INVENTION: New sequences of hepatitis C v
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 112
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
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                                             В
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Best Local S
Matches 298
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GGCCGGCCTGAAGGATTGCACAATGCTGGTTTGCGGGGACGACCTGGTCGTCATCGCAGA
                                                                CACCACCAGCTTCGGAAACACACTGACCTGCTACCTCAAGGCCACGGCCGCCTACCAGAGC
                                                                                                                                 CATGTTTAACAGCAAGGGAGACCTATGTGGCTACCGCAGGTGCCGCGCAAGCGGCGTCTA
                                                                                                                                                                      GGAGCCCGAGGCCCAAGGCAATTACTGCCCTAACAGAGAGACTCTATGTGGGCGGTCC
                                                                                                                                                                                             GGAGCCAGAGGCCCGCAAGGCAATATCCGCCCTCACGGAGAGACTCTATGTGGGCGGTCC
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                                                CACCACCAGCTTCGGGAACACACTGACGTGCTACCTCAAAGCCTCAGCCGCTATCAGAGC
                                                                                                              CATGCATAACAGCAAGGGAGACCTGTGTGGGTATCGCAGATGCCGCGCAAGCGGCGTCTA
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                                                                                                                                                                                                                                                                                                  Score 273.4;
Pred. No. 2.1e
0; Mismatches
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Pred. No. 4.1e-81;
; Mismatches 0;
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2.1e-63;
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US-09-878-281A-106
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                                                                                         GENERAL INFORMATION: MAERIENS, GEI
APPLICANT: MAERIENS, GEI
APPLICANT: STUYVER, LIE
TITLE OF INVENTION: NEW
TITLE OF INVENTION: AND
TITLE OF INVENTION: AGEI
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 106
LENGTH: 340
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 106, Application US/09878281A
Patent No. 6762024
CENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                       Sequence 83, Application Patent No. 6180768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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 STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
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                                                  CITY: HOUSTON
                                                                STREET:
                                                                               ADDRESSEE: ARNOLD,
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86.4%;
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AND THEIR USE
AGENTS
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Pred. No. 2.8e-61;
0; Mismatches 46
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                                                                                                                                             HEPATITIS C VIRUS GENOTYPES PROPHYLACTIC, THERAPEUTIC A
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Gaps

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AND DIAGNOSTIC

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RESULT 5
US-09-878-281A-108
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                                               GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
TINNS. OLD
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
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MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Microsoft Word 6.0 / ASCII text output
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STRANDEDNESS: single
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FILING DATE: 23 Oct 1995
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85.8%;
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US-09-878-281A-116
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; TYPE: DNA '
; ORGANISM: hepatitis
US-09-878-281A-108
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Inmogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn version 3.1
SEQ ID NO 116
LENCTH: 340
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 116, Application US/09878281A
Patent No. 6762024
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Local Similarity 85.0%;
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CACCACCAGCTTCGGAAACACACTGACCTGCTACCTCAAGGCCACGGCCGCTACCAGAGC
                                                                      CATGTTTAACAGCAAGGGAGACCTATGTGGCTACCGCAGGTGCCGCGAAGCGGCGTCTA 180
                                                                                                                  GGAGCCCGAGGCCCGCAAGGTAATAGCCGCCCTCACGGAGAGACTCTACGTGGGCGGCCC
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                                                   CATGCATAACAGCAAGGGAGACCTTTGCGGGGTATCGTAGATGCCGCGCGAGCGGCGTATA
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Pred. No. 2e-59;
0; Mismatches
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APPLICANT: Innogenetics N.V.
TITILE OF INVENTION: New sequences of hepatitis C vir
TITILE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFFWARE: PatentIn version 3.1
SEQ ID NO 110
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-110
Sequence 201, Application US/09878281A
Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C
TITLE OF INVENTION: and therapy
FILL REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 201
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 203
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
FILE REFERENCE: 35
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Local Similarity 84.7%;
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                           CACCACCAGCTTCGGAAACACACTGACCTGCTACCTCAAGGCCACGGCCGCTACCAGAGC
                                                                                 CATGCACAACAGCAGGGGAGACCTATGCGGGTACCGTAGATGCCGCGCGAGCGGCGTATA
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Pred. No. 5.4e-59;
0; Mismatches 52;
                                                                                                                                                                                                                                                                                                                                                                 Score 256.8; DB 3
Pred. No. 5.4e-59;
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US-08-836-075A-85
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APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 85, Application Patent No. 6180768
                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                            PILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EE
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: I
                                                                                                                                                                                                                                      HYPOTHETICAL: N
                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/ACENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                   MOLECULE TYPE:
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CORRESPONDENCE ADDRESS:
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                                               GGARCCCGAAGCCCGCAAAGCAATATCCGCCCTCACAGAGAGRCTCTACTTGGGCGGCCC
                                                                           GGAGCCAGAGGCCCGCAAGGCAATATCCGCCCTCACGGAGAGACTCTATGTGGGCGGTCC
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Pred. No. 3.1e-57;
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US-09-878-281A-209
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US-09-878-281A-209
                                                                                                                                                                                                                                  Query Match
Best Local Sim
Matches 281;
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SEQ ID NO 209
LENGTH: 340
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Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
                                                                                                                                                                                                                                                                                                                                                        FEATURE:
NAME/KEY: misc_feature
LOCATION: (337)..(337)
                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: "n"
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NAME/KEY: misc_feature
LOCATION: (13)...(13)
OTHER INFORMATION: "n"
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LOCATION: (72)..(72)
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LOCATION: (65)..(65)
OTHER INFORMATION: "n"
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                    CATGTTTAACAGCAAGGGAGACCTATGTGGCTACCGCAGGTGCCGCGCAAGCGGCGTCTA 180
TATGCACAACAGCAAGGGAGACCTGTGTGGCATCCGTAGATGCCGCGCGAGCGGCGTTTA 180
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Pred. No. 5.7e-57;
D; Mismatches 59;
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FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 207
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
US-09-878-281A-207
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GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
FILE REPERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
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Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
                                                                                                                   Sequence 211, Application Patent No. 6762024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 71.9
Best Local Similarity 82.6
Matches 280; Conservative
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Pred. No. 9.5e-56;
0; Mismatches 59
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Sequence 114, Application US/0987828; Patent No. 6762024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New Sequences of TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
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NAME/KEY: misc feature
LOCATION: (340)..(340)
THER INFORMATION: "n"
US-09-878-281A-211
                              ; TYPE: DNA; hepatitis; ORGANISM: hepatitis; US-09-878-281A-114
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                                                                           SOFTWARE: PatentIn version 3.1
SEQ ID NO 114
LENGTH: 340
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Best Local Similarity
Matches 277; Conservat
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SEQ ID NO 211
LENGTH: 340
Query Match
                                                                                                                            CURRENT APPLICATION NUMBER: US/09/878,
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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TYPE: DNA
ORGANISM: hepatitis C virus
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LOCATION: (333)..(334)
OTHER INFORMATION: "n"
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NAME/KEY: misc_feature
LOCATION: (11)..(11)
OTHER INFORMATION: "n"
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NAME/KEY: misc feature
LOCATION: (327)..(327)
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Pred. No. 4.1e-55;
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CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 205
LENGTH: 340
TYPE: DNA
ROBANISM: hepatitis C virus
US-09-878-281A-205
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US-09-878-281A-205
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Patent No. 6782024
GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                                  Query Match 68.6%;
Best Local Similarity 80.5%;
Matches 273; Conservative
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Matches 273; Conservative
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Search completed: January 11, 2006, 14:46:39 Job time : 101.519 secs

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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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2: /cgm2_6/ptodata/1,

3: /cgm2_6/ptodata/1,

4: /cgm2_6/ptodata/1,

5: /cgm2_6/ptodata/1,

6: /cgm2_6/ptodata/1,

7: /cgm2_6/ptodata/1,

8: /cgm2_6/ptodata/1,

9: /cgm2_6/ptodata/1,

9: /cgm2_6/ptodata/1,
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/cgm2_6/ptodata/1/ina/5_COMB.seq:*
/cgm2_6/ptodata/1/ina/6A_COMB.seq:*
/cgm2_6/ptodata/1/ina/6A_COMB.seq:*
/cgm2_6/ptodata/1/ina/H_COMB.seq:*
/cgm2_6/ptodata/1/ina/FCOMB.seq:*
/cgm2_6/ptodata/1/ina/PCOMB.seq:*
/cgm2_6/ptodata/1/ina/RE_COMB.seq:*
/cgm2_6/ptodata/1/ina/RE_COMB.seq:*
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GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd.
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        US-08-836-075A-89
US-08-836-075A-91
US-08-836-075A-57
US-08-836-075A-57
US-08-836-075A-51
US-08-836-075A-53
US-08-441-971-3
US-08-441-971-6
US-08-442-144A-3
US-08-441-970-3
US-08-441-970-6
US-08-441-970-7
US-08-441-970-7
US-08-441-970-7
US-08-441-970-7
US-08-441-970-7
US-08-836-075A-63
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                    RESULT 1
US-08-836-075A-89
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: MAERTENS, G
APPLICANT: STUYVER, LI
TITLE OF INVENTION: AN
TITLE OF INVENTION: AN
TITLE OF INVENTION: AG
NUMBER OF SEQUENCES: 2
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                                STRANDEDNESS: single
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ALIGNMENTS

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APPLICATION NEW SEQUENCES OF HEBATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Plopy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: MICTOSOFT WORDER: US/08/836,075A
PILLING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
PILING DATE: 21 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
PILING DATE: 21 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
PILING DATE: 20 Jun 1995
ATTORNEY AGENT INFORMATION:
NAME: KAMMERER, PARTICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1994
PRIOR APPLICATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 20,775
REFERENCE/DOCKE
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               REFERENCE/DOCKET NUMBER: 1
INFORMATION FOR SEQ ID NO: 93:
                                                                                                                                                                                                                                                                                                                                                                                                  CTA: LE. STATE: LE. COUNTRY: USA COUNTRY: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: AND THEIR USE
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
SEQUENCE CHARACTERISTICS
                                                FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMEER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                              APPLICATION NUMBER: PCT/
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                       APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
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340; Conserv
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Patent No. 6180768
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: STUYVER, LIEVEN
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUITION: AND THEIR
TITLE OF INVENTION: AGENTS
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US-08-836-075A-91
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                                                                                                                                                                          COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                 AMNOLD, WHI
LIKEST: P.O. BOX 4433
CITY: HOUSTON
STATE: TPYTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: CI
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                 APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 99
                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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77.5%;
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207
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AND THEIR USE AS
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 EP 95870076.7
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Pred. No. 1.5e
0; Mismatches
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ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA

NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775

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RESULT 4
US-08-836-075A-57
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Best Local Similarity
Matches 255; Conserv
                                                                        COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS(
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVER
APPLICANT: STUYVER, LIEVER
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INFORMATION FOR SEQ ID NO: 91:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acta
               APPLICATION NUMBER: US/0:
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/1
                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
TITLE OF INVENTION:
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HYPOTHETICAL: 1
ANTI-SENSE: NO
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                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                    STATE:
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23 Oct 1995
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AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
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75.2%;
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Pred. No. 2e
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SOFTWARE:

Microsoft Word 6.0 / ASCII text output

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RESULT 5
US-08-836-075A-61
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                                                                                                                                                                                                                                                                                                Sequence 61, Application US/08836075A Patent No. 6180768
GENERAL INFORMATION:
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                                                                                                                                                      APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SEQUETIFLE OF INVENTION: AND THEIR TITLE OF INVENTION: ACENTS NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: KLAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INI
INFORMATION FOR SEQ ID NO: 57:
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MOLECULE TYPE: cDN
HYPOTHETICAL: NO
FORMSE: NO
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APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 958
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
COUNTRY: USA
ZIF: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                     ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
CITY: HOUSTON
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TYPE: nucleic acid
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AND THEIR USE AS
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Pred. No. 2.1e-46;
1; Mismatches 106;
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                                                                                                                                                            DURKEE
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RESULT 6
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                                                                                                       GENERAL INFORMATION:
APPLICANT: MARRIENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
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Best Local Similarity 67.8%;
Matches 230; Conservative
                                                                                                                                                                                                                   Sequence 55, Application US/08836075A Patent No. 6180768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INI
INFORMATION FOR SEQ ID NO: 61:
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HYPOTHETICAL:
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LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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                                CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH.
STREET: P.O. BOX 4433
                                                                                         NUMBER OF SEQUENCES:
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HOUSTON
: TEXAS
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                                                                                                                            NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
                                                       WHITE & DURKER
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Pred. No. 2.8e-45;
0; Mismatches 109;
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; Sequence 53, Application US/08836075A
Patent No. 6180768
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES O
TITLE OF INVENTION: AND THEIR USE A
TITLE OF INVENTION: AGENTS
TITLE OF INVENTION: AGENTS
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; ANTI-SENSE: NO
US-08-836-075A-55
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US-08-836-075A-53
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Best Local S
Matches 227
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ATTORNEY/AGENT INFORMATION:
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: US
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MEDIUM TYPE: Floppy disk
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PRIOR APPLICATION DATA:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
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TYPE: nucleic acid
STRANDEDNESS: single
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ilarity 67.2%;
Conservative
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NEW SEQUENCES C
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Pred. No. 1.1e-44;
2; Mismatches 109
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                                      OF HEPATITIS C VIRUS GENOTYPES AS PROPHYLACTIC, THERAPEUTIC A
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NUMBER OF SEQUENCES:

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RESULT 8
US-08-441-971-3
; Sequence 3, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION UMBER: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 29,775
INFORMATION FOR SEQ ID NO: 53:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 228;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
COUNTRY: T7210-4433
TTD: 77210-4433
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HYPOTHETICAL: 1
ANTI-SENSE: NO
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FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 /
CURRENT APPLICATION DATA:
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ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
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DEDNESS: single
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                                                                                                                       GAGTGCGGGAGTCGAGGAAGACGCGGCGAACCTACGAGCT 340
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                                                                                                                                                                                                                                                                                              GACCACCATCCTGGCCAATACTCTGACTTGCTACTTGAAAGCTCAGGCGGCATGCAGAGC
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                                                                                                                                                                                          TGCAAAGCTCCGGGACTGCACCATGCTCGTGTGCGGGGATGACCTTGTCGTTATCTGTGA
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67.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches 111;
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Matches 227; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Janiuk, Anthony J.
REGIZION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
APPLICATION NUMBER: 07/6:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: MS-DOS V
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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TELEX: EZEKIEL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
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                                                                                                                                                   181 GACCACCATCCTGGCCAATACTCTGACTTGCTACTTGAAAGCTCAGGCGGCATGCAGAGC 240
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GAGTTTGGGGGTCTCGGAGGACACTAGTGCACTGCGAGC
                                            CGCAGGGCTCCGGGACTGCACCATGCTCGTGTGTGGTGACGACTTGGTCGTTATCTGTGA
                                                                                                                   GACAACTAGCTGTGGTAATACCCTCACTTGCTACATCAAGGCCCGGGCAGCCTGTCGAGC
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Pred. No. 1.1e-43;
0; Mismatches 112;
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US-08-441-971-6
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Patent No. 6071693
GENERAL INFORMATION:
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILING DATE:
APPLICATION NUMBER: US/07/
FILING DATE: 8 MAY 1991
                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
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MEDIUM TYPE: Diskette, 5.25 inch
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SOFTWARE: WordPerfect
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TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ENGTH: 340 nucleotides
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181
                                181 GACCACCATCCTGGCCAATACTCTGACTTGCTACTTGAAAGCTCAGGCGGCATGCAGAGC 240
                                                                                                         121 CATGTNTAACTCTAAAGGTCAGGCATGTGGATACCGTAGGGTGCAGGGCCAGTGGCGTCTT
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                                                                                                                                                                                61 GGAGCCCGCAGCACGGCCATCACATCGCTTACTGACCGATTGTACTNCGGTGGTCC
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GACGACTAGCTGTGGTAATACCCTCACTTGTTACATCAAGGCCCGGGCAGCCTGTCGAGC
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67.08;
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US-08-221-653-3
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Matches 227
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Patent No. 6190864
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/6
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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APPLICATION NUMBER:
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nes 227; Conserv
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 TCTTACCAATTCAAGGGGGGAGAACTGCGGCTACCGCAGGTGCCGGGCGAGCGGCGTACT
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                                                               GGACCCCCAAGCCCGCGTGGCCATCAAGTCCCTCACTGAGAGGCTTTACGTTGGGGGCCC 120
                                                                                            GGAGCCCGCAGCACCGCCATCACATCGCTTACTGACCGATTGTACTNCGGTGGTCC
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                                                                                                                                                                                             Score 161; DB 3;
Pred. No. 1.1e-43;
0; Mismatches 112
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                                                                                                                                                                                                                            Length 340;
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Patent No. 6190864
                                                                                                                           Query Match
Best Local
                                                                                                              Matches 227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/
FILING DATE: 07/697
PILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Diskett COMPUTER: IBM compat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: M
                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                              NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                       INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                     LENGTH:
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                                                                                                                           Similarity
GGAGCCCGCAGCACGGACAGCCATCACATCGCTTACTGACCGATTGTACTNCGGTGGTCC
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                                               CTCTACAGTCACTGAGAGCGATATCCGTACGGAGGAGGCAATCTACCAATGTTGTGACCT
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                                                                                                          Score 161; DB 3;
Pred. No. 1.1e-43;
0; Mismatches 112
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AND THERAPEUTICS
                                                                                                            112;
                                                                                                                                        Length 340;
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                                                                                                          Gaps
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US-08-442-144A-3
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Query Match
Best Local Similarity
Matches 227; Conserv
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                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
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APPLICANT:
APPLICANT:
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MEDIUM TYPE: Diskette,
COMPUTER: IBM Compatib
                                                                                                          ORIGINAL SOURCE:
                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: MAY 16,
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                        TYPE: Nucleic Acid
STRANDEDNESS: Sing
TOPOLOGY: Linear
                                                                                                                                                                                                                                                 TELEPHONE: Z15-1-1439
                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 35, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP:
                                                                                                                                                                                                                                                                                                                                                    NAME: Doreen Yatko Trujillo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IBM Compatible
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                                                                                                                            DNA
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                                                                                                                                                         Single
                     47.48;
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   Score 161; DB 3; Length 340; Pred. No. 1.1e-43; O; Mismatches 112; Indels
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AND THERAPEUTICS
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RESULT 13
US-08-442-144A-6
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GENERAL INFORMATION:
                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY, AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                             INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM Compatib
                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08 FILING DATE: MAY 16, 1995 CLASSIFICATION: 435
                             STRANDEDNESS: Single
                                                                                                                                                TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
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                 TOPOLOGY:
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TYPE:
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Bruce Irvine
Janice Kolberg
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               Linear
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US-08-441-970-3
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                                                                                                                                                APPLICATION UNMBER: US/08/
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 07/881
FILING DATE: 08-MAY-1992
APPLICATION UNMBER: 07/697
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                        NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUT
SEQUENCE CHARACTERISTICS:
                                                      TELEPHONE: (617) 720-35
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Massachusetts

USA

JMBER: US/08/441,970 16-MAY-1995

07/881,528 07/697,326

600 Atlantic Avenue

& Sacks, P.C

AND THERAPEUTICS

EZEKIEL

<u>ب</u>

C0772/7000

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US-08-442-144A-6
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Best Local Similarity
Matches 227; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORIGINAL SOURCE: ns5sp2
                                                                                                                                                                                                                                                                                                                        121 CATGINIAACICIAAAGGICAGGCAIGIGGATACCGIAGGIGCAGGGCCAGIGGCGICII
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                            GAGTTTGGGGGTCTCGGAGGACACTAGTGCACTGCGAGC 339
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AAGTGCGGGGTCCAGGAGGACGCGGCGAGCCTGAGAGC
                                                                                         CGCAGGGCTCCAGGACTGCACCATGCTCGTGTGTGGCGACGACCTAGTCGTTATCTGCGA
                                                                                                                             TGCCGGGCTGAAGGACTTTGACATGTTGGTCTGCGGAGACGACGTTGTCGTTATTTCGGA
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Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                 ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION DATA:
**DOD TOATTON UMMARR: 07/881,528
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Best Local Similarity
           APPLICATION NUMBER: 07/881,528
FILING DATE: 08 MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
ELECOMMUNICATION INFORMATION:
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ZIP: 02210
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               C0772/7000
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
ENCITH: 340 nucleocides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: singl
TOPOLOGY: linear
MOLECULE TYPE: DNA
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AAGTGCGGGGTCCAGGAGGACGCGGCGAGCCTGAGAGC 339
                      GAGTTTGGGGGTCTCGGAGGACACTAGTGCACTGCGAGC 339
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                                                                      CGCAGGGCTCCAGGACTGCACCATGCTCGTGTGTGCGACGACCTAGTCGTTATCTGCGA
                                                                                                TGCCGGGCTGAAGGACTTTGACATGTTGGTTCTGCGAGACGACCTTGTCGTTATTTCGGA
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(617) 720-2441
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67.08;
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Pred. No. 1.1e-43;
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Search completed: January 11, 2006, 14:46:40 Job time : 101.519 secs

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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Maximum DB seq length: 200000000
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Issued_Patents_NA:*

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2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

7: /cgn2_6/ptodata/1/ina/PCOMB.seq:*

8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*

9: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   January 11, 2006, 10:56:53; Search time 100.519 Seconds (without alignments) 6012.524 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1303057 seqs, 888780828 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-836-075B-91
340
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Copyright (c) 1993 - 2006 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	S	4	ω	2	<u>, , , , , , , , , , , , , , , , , , , </u>	No.	Result
161	161	161	161	161	161	162.6		162.6	162.6	162.6	162.6	162.6		•	162.6	167.4	175	176.6	177.2		208.2	250.8	339.2	Score	
47.4	47.4		47.4	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	49.2	51.5	51.9	52.1			73.8	9		onerv *
340	340	340	340	340	340	9595	9413	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	Length	
(L	ω	w	w	ω	w	ω	w	w	ω	w	w	w	ω	w	w	w	w	w	w	w	w	ω	ω	BB	
US-08-221-653-16	US-08-221-653-6	US-08-221-653-4	US-08-441-971-16	US-08-441-971-6	US-08-441-971-4	US-09-014-416-4	US-09-827-688-6	US-08-441-970-3	US-08-441-970-2	US-08-442-144A-3	US-08-442-144A-2	US-08-221-653-3	US-08-221-653-2	US-08-441-971-3	US-08-441-971-2	US-08-836-075A-61	US-08-836-075A-53	US-08-836-075A-95	US-08-836-075A-55	US-08-836-075A-57	US-08-836-075A-89	US-08-836-075A-93	US-08-836-075A-91	ID	
Sequence 16, Appl	6	Sequence 4, Appli	16,	е 6,	Sequence 4, Appli	4,	6	Sequence 3, Appli	2	Sequence 3, Appli	2	ω •	Sequence 2, Appli	ω -	2	61,		95,		57,	89,	Sequence 93, Appl		Description	

ALIGNMENTS

HENGTH: 340 base pairs TYPE: nucleic acid STRANDENNESS: single TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO	FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 94870166.9 APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775 REFERENCE/DOCKET NUMBER: 11NNS:004 INFORMATION FOR SEQ ID NO: 91:	Pr Program	82,888

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US-08-836-075A-93
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Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                         APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGESTRATION NUMBER: 29,775
REGESTRATION NUMBER: 29,775
              REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES
TITLE OF INVENTION: AND THEIR USE
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                              FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: P.O. BOX 4433
CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 77210-4433
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                  93:
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                                 INNS:004
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Pred. No. 2.1e-99;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OF HEPATITIS C VIRUS GENOTYPES
AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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RESULT 3
US-08-836-075A-89
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 89, Applicat Patent No. 6180768
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                                                                              ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compactible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / AS
CURRENT APPLICATION DATA:
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MOLECULE TYPE:
HYPOTHETICAL: N
APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9:
FILING DATE: 28 Jun 1995
                                                                                    APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION UNMBER: PCT/EP95/04155
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SK
TITLE OF INVENTION: AND TH
TITLE OF INVENTION: AGENTS
                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: sir
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                             STREET: P.O. I
                                                                                                                                                                                                                                                                                                                                              STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 AGATCCGGTAGCACGGAAAGCCATTACATCTCTTACTGAGCGGCTGTACTGCGGCGGCCC
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EDNESS: single
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                                                                                                                                                                                                                                                                                                                                              TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08836075A
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                                                                                                                                                                                                                                                                                                                                                                                  BOX 4433
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   LIEVEN
NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
AGENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        73.8%;
                                                                                                                                                                                                                                                                                                                                                                                                    WHITE & DURKEE
                    EP 95870076.7
                                                                        EP 94870166.9
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Pred. No. 6.6e-71;
2; Mismatches 54
                                                                                                                                                                                                                       ASCII text output
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US-08-836-075A-57
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 57, Application US/08836075A Patent No. 6180768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 255; Conserv
                                                                            STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASC
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION UMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 89:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                              APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
             APPLICATION NUMBER: US/01
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                  CITY:
                                                                                                                                                                                                                                                                  STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
                                                                                                                                                                                                                                                                                 ADDRESSEE:
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P.O. BOX 4433
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23 Oct 1995
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              PCT/EP95/04155
                                                               US/08/836,075A
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                                                                                                    / ASCII text output
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US-08-836-075A-55
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APPLICATION UNMBER: EP 948701
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: EP 958700
PILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION UNMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 57;
SEQUENCE CHARACTERISTICS:
INFORMATION CHARACTERISTICS:
INFORMATICS:
INFORMATION CHARACTERISTICS:
INFORMATION CHARACTERISTICS:
INFORMATION CHARACTERISTICS:
INFORMATION CHARACTERISTICS:
INFO
                                                                                                                                                                                                                                                                                                                                        Sequence 55, Application US/08836075A Patent No. 6180768
GENERAL INFORMATION:
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Best Local Similarity
Matches 237; Conserv
                                                                                             APPLICANT: MAERTENS, GEERT
APPLICANT: STUVVER, LIEVEN
TITLE OF INVENTION: MEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE &
AKNOLD, WHI
CITY: P.O. BOX 4433
CITY: HOUSTON
STATE: TPYY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: cD
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ANTI-SENSE:
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                                                                                                                                                               NEW SEQUENCES CAND THEIR USE AGENTS
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70.1%;
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Pred. No. 1.1e-47;
2; Mismatches 99;
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AS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               338
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                                                                                                                                                                                                                             AND DIAGNOSTIC
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COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS

US/08/836,075A

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Sequence 95, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AU
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLL, WHITE & DURKEE
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                   RESULT 6
US-08-836-075A-95
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HYPOTHETICAL: NO
ANTI-SENSE: NO
S-08-836-075A-55
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Best Local Similarity 69.8%;
Matches 236; Conservative
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REFERENCE/DOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 55:
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APPLICATION NUMBER: US/08/
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EE
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995 ATTORNEY/AGENT INFORMATION: KAMMERER, PATRICIA A. NAME: KAMMERER, PATRICIA A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
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STRANDEDNESS: single
TOPOLOGY: linear
COUNTRY:
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                                                                       WHITE & DURKEE
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Pred. No. 3.5e-47;
2; Mismatches 100;
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Sequence 53, Application U
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS, G
APPLICANT: STUYVER, LI.
ITITLE OF INVENTION: NE
TITLE OF INVENTION: AN
TITLE OF INVENTION: AG
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US-08-836-075A-53
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 95:
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
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OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
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HYPOTHETICAL: N
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ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TYPE: nucleic acid
STRANDEDNESS: single
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les 236; Conserv
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LIEVEN
                    NEW SEQUENCES
AND THEIR USE
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Pred. No. 5.4e-47;
1; Mismatches 101;
                      AS
                      HEPATITIS C VIRUS GENOTYPES PROPHYLACTIC, THERAPEUTIC A
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NUMBER OF

SEQUENCES:

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RESULT 8
US-08-836-075A-61
; Sequence 61, Application US/08836075A
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GENERAL INFORMATION:
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PILING DATE: 28 Jun 1995

ATTORNEY_AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REFERENCE_POCKET NUMBER: INNS:004

INFORMATION FOR SEQ ID NO: 53:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text
CURRENT APPLICATION DATA:
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ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
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STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-443
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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Pred. No. 1.8e-46;
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Matches
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INFORMATION FOR SEQ ID NO:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
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LENGTH: 340 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
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CORRESPONDENCE ADDRESS:
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nes 231; Conserv
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                                     301 GAGTGGAGGAGTCTCTGAGGATGTTGACGCCCTGCGAGC 339
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                                                                                                                         AGCAAAGCTCAAAAACTATGACATGTTAGTCTGCGGAGACGATCTAGTCGTTATCGCGGA 300
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GAGTGTAGGGACCCAGGAGGATGCGGCGAGCCTGCGAGC
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VENTION: NEW SEQUENCES
VENTION: AND THEIR USE
VENTION: AGENTS
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Pred. No. 5e-44;
1; Mismatches 107;
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APPLICANT: Tai-An Ch
TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 228; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
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APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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ADDRESSEE: Wolf, Gre
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TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
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                                                                   181 CACCACGAGCTTGGGCAATACCCTAACATGCTATTTGAAAGCACAAGCAGCGTGTAGGGC
                                                                                                        121 TCTTÁCCAATTCAAGGGGGAGAACTGCGGCTÁCCGCAGGTGCCGCGCGCGAGCGGCGTACT
241 AGCAAAGCTCAAAAACTATGACATGTTAGTCTGCGGAGACGATCTAGTCGTTATCGCGGA 300
                                 181 GACAACTAGCTGTGGTAACACCCTCACTTGCTACATCAAGGCCCGGGCAGCCTGTCGAGC
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Pred. No. 1.8e-42;
1; Mismatches 110;
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RESULT 10
US-08-441-971-3
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                                                                                                                                                                                         Matches 228;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: MS-DOS VE SOFTWARE: WOXDERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/4 FILING DATE: 16-MAY-1995 CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5pt1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 07/6;
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
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ADDRESSEE: Wolf, Greenfield & Sacks, P.C
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                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
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121 CATGATGAACTCCCGTGGTCAATCATGTGGATACCGTAGGTGCCGAGCCAGTGGCGTGCT
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                                                   GGACCCCCAAGCCCGCGTGGCCATCAAGTCCCTCACTGAGAGGCCTTTACGTTGGGGGCCC
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                                                                                   TGACCCGGTGGCACGCAAGGCTATTACATCTCTGACTGAGCGGCTGTACTGCGGWGGGCC
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                                                                                                                                                                                                         Score 162.6; DB 3; Pred. No. 1.8e-42;
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                                                                                                        Query Match
Best Local Similarity
Matches 228; Conserv
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                                                                                                                                                                                                                                                                                                                                                                       NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                    TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Tai-An Cha
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
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                                                                                                                                                                                                                                                    TOPOLOGY:
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                                                                                                                                                                                                                                                                                                     ENGTH: 340 nucleotides
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TGACCCGGTGGCACGCAAGGCTATTACATCTCTGACTGAGCGGCTGTACTGCGGWGGGCC
                                                          CTCGACAGTCACCGAGCGCGACATCCRCACCGAGCACGACATCTACCAATGCTGCCAACT
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                                    CTCCACAGTCACTGAGAGCGACATCCGTACGGAGGAGGCAATTTACCAATGTTGTGACCT
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                                                                                                          Conservative
                                                                                                                                                                                                                                                  linear
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                                                                                                    47.8%; Score 162.6; DB 3; 67.3%; Pred. No. 1.8e-42; tive 1; Mismatches 110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            147
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                                                                                                          Indels
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RESULT 12
US-08-221-653-3
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Query Match 47.8%; Score 162.6; DB 3
Best Local Similarity 67.3%; Pred. No. 1.8e-42;
Matches 228; Conservative 1; Mismatches 11(
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APPLICANT: Tai-An
                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                      MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 8 May 1991 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS V
SOFTWARE: WordDerfect 5.1
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION: H
TITLE OF INVENTION: D
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                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                       TELEPHONE: (617)
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
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                                                                                                                                                                                        LENGTH: 340 nucleotides
                                                                                      INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                                                                                                                                                         Janiuk, Anthony
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                                                                                                                                                                                                                                                      720-2441
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                                   DB 3;
                                   Length 340;
     Indels
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   Gaps
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US-08-442-144A-2
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                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/442, PILING DATE: MAY 16, 1995 CLASSIFICATION: 435 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                           NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM Compatib
OPERATING SYSTEM: Wind
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
ORIGINAL SOURCE:
               TOPOLOGY: L
MOLECULE TYPE:
                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: C
                                                                                                                                                                                                               NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                            TYPE: Nucleic Acid
                                                   STRANDEDNESS: Single
                                                                                                                                                             TELEFAX:
                                                                                                                                                                              TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4560 Horton Street
                                                                                                                                                             215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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Best Local Similarity
Matches 228; Conserv
                                                 APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                          OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM Compatib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                      ZIP:
                 TELEPHONE: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Emeryville
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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    Application

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Bruce Irvine
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3.5 Inch

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181 CACCACGAGCTTGGGCAATACCCTAACATGCTATTTGAAAGCACAAGCAGCGTGTAGGGC
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AAGTGCGGGGGTCCAGGAGGACGCGCGAGCCTGAGAGC 339
                                     GAGTGGAGGAGTCTCTGAGGATGTTGACGCCCTGCGAGC 339
                                                                                        CGCAGGGCTCCAGGACTGCACCATGCTTGTGTGTGGCGACGACTTAGTCGTTATCTGTGA
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Pred. No. 1.8e-42;
1; Mismatches 110;
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SEQUENCE CHARACTERISTICS:

LENGTH:

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GENERAL INFORMATION:
APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 228;
                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Ve)
SOFTWARE: WORDPECT 5.1
CURRENT APPLICATION DATA;
APPLICATION NUMBER: US/08/4/
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA;
APPLICATION DATA;
OLASSIFICATION DATA;
OLASSIFICATION DATA;
OLASSIFICATION DATA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS NUMBER OF SEQUENCES: 147
                                                                      APPLICATION NUMBER: 07/8
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/6
FILING DATE: 8 May 1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: Nucleic Acid
STRANDEDNESS: Single
               NAME: Janiuk, Anthony J. REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                              COUNTRY:
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REFERENCE/DOCKET NUMBER:
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C0772/7000
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE:
STRANDEDNESS: SIX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INDIVIDUAL ISOLATE:
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                                  301
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301
                                                                                                                                          181 GACAACTAGCTGTGGTAACACCCTCACTTGCTACATCAAGGCCCGGGCAGCCTGTCGAGC
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                                  GAGTGGAGGAGTCTCTGAGGATGTTGACGCCCTGCGAGC 339
                                                                                                                                                                CACCACGAGCTTGGGCAATACCCTAACATGCTATTTGAAAGCACCAAGCAGCGTGTAGGGC
                                                                                         AGCAAAGCTCAAAAACTATGACATGTTAGTCTGCGGAGACGATCTAGTCGTTATCGCGGA 300
 AAGTGCGGGGTCCAGGAGGACGCGGCGAGCCTGAGAGC
                                                                       CGCAGGGCTCCAGGACTGCACCATGCTTGTGTGTGGCGACGACTTAGTCGTTATCTGTGA
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                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches 110;
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Pred. No. 1.8e-42;
 339
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Search completed: January 11, 2006, 14:46:40 Job time: 100.519 secs

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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Score
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Sequence 3, Appli	Sequence 6, Appli	Sequence 5, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 10, Appl	Sequence 41, Appl	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 83, Appl	Sequence 53, Appl	Sequence 12, Appl	Sequence 12, Appl	Sequence 12, Appl	Sequence 12, Appl	Sequence 14, Appl	Sequence 207, App	rddw 'oz asinanas

ALIGNMENTS

Sequence 93, Application US/08836075A Patent No. 5180768 GENERAL IMPORMATION: APPLICANT: MARRIENS, GERRY APPLICANT: STUTYER, LIEVEN ITILE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPBUTIC AND DIAGNOSTIC INTER OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPBUTIC AND DIAGNOSTIC INTER OF INVENTION: AGENTS UNMERS OF SEQUENCES; 207 CORRESPONDENCE ADDRESS; ADDRESSER: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433 CITY: BOUSTON STATE: TEXAS COUNTRY: USA COMPUTER: TEXAS COMPUTER: TEXAS COMPUTER: IBM PC Compatible OPERATION STYSTEM: PC-DOS/MS-DOS SOFTWARE: MICCOSOFT WORD 6.0 / ASCII text output MEDIUM TYPE: Eloppy disk MEDIUM TYPE: Eloppy disk MEDIUM TYPE: Eloppy disk MEDIUM TYPE: 120 Apr 1997 PRIOR APPLICATION DATA: APPLICATION NUMBER: PS/08/836,075A FILING DATE: 23 Oct 1994 PRIOR APPLICATION MATA: APPLICATION NUMBER: EP 99870166.9 FILING DATE: 23 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 APPLICATION NUMBER: EP 95870076.7 APPLICATION NUMBER: EP 95870076.7 APPLICATION NUMBER: EP 95870076.7 FILING DATE: 20 TOS 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 23 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 23 Oct 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 23 Oct 1994 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: EP 95870076.7 FILING DATE: 23 Oct 1994 PRIOR APPLICATION DATA: APPLICATIO

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Best Local Similarity
Matches 340; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 91, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION:
               REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 91:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NAD THE TITLE OF INVENTION: AGENTS
                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 60 / J
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WH:
STREET: P.O. BOX 4433
                                                                 APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Uni 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
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                                                 REGISTRATION NUMBER: 29,775
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US-08-836-075A-89
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 89, Appli
Patent No. 6180768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 6180768
GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: ..... STRANDEDNESS: Sing STRANDEDNESS: Sing TOPOLOGY: linear MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: MAERTENS, GRE
APPLICANT: STUYVER, LIES
TITLE OF INVENTION: NEW
TITLE OF INVENTION: AND
TITLE OF INVENTION: AGE
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                                  APPLICATION NUMBER: EP 9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                      APPLICATION NUMBER: PCT/
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                        APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                        STREET: P.O. I
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                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 77210-4433
                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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83.4%;
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                                                                                                                              PCT/EP95/04155
                                                                        EP 94870166.9
                     EP 95870076.7
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Pred. No. 7.
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                                                  Sequence 9:
Patent No.
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Best Local Similarity
Matches 262; Conserv
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REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 89:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, GEI
APPLICANT: STUYVER, LIE
TITLE OF INVENTION: NEW
TITLE OF INVENTION: AGEI
TITLE OF INVENTION: AGEI
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
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         FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/I
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o. 6180768
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23 Oct 1995
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
207
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              PCT/EP95/04155
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US-08-836-075A-55
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FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 95:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                     Sequence 55, Application US/08836075A Patent No. 6180768
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                                                                                                                                                          APPLICANT: MAERTENS, GEERT
APPLICANT: STUTYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENC
TITLE OF INVENTION: AND THEIR I
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: AROULD, WHITE & DI
STREET: P.O. BOX 4433
CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
                                                                                                   COUNTRY: USA
ZIP: 77210-4433
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AND THEIR USE AS I
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72.0%;
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APPLICATION NUMBER: 1 FILING DATE: 21 Apr PRIOR APPLICATION DATA:

TUMBER: US/08/836,075A 21 Apr 1997

PCT/EP95/04155

CURRENT APPLICATION DATA:

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US-09-827-688-6
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PILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
PILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
           APPLICANT: ORSON, FRANK
APPLICANT: KINSEY, BERMA
APPLICANT: KINSEY, BERMA
APPLICANT: BHOGAL, BALBIR
TITLE OF INVENTION: MACROAGGREGATED PROTEIN CO.
TITLE OF INVENTION: MACROAGGREGATED PROTEIN CO.
TITLE OF INVENTION: MACROAGGREGATED PROTEIN CO.
TITLE REFERENCE: P01949US1/10004014
CURRENT APPLICATION NUMBER: US/09/827,688
CURRENT FILLING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/195,680
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 13
                                                                                                                                                                                                                                                 Sequence 6, Application US/09827688 Patent No. 6821955
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                                                                                                                                                                                                                                 GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.0
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HYPOTHETICAL:
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FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
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Pred. No. 2.2e-44;
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Best Local Similarity
Matches 231; Conserv
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Patent No. 6180768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL
             APPLICATION NUMBER: EP 948
FILING DATE: 21 OCt 1994
PRIOR APPLICATION DATE: EP 958
APPLICATION NUMBER: EP 958
FILING DATE: 28 JUL 195
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MAERTENS, APPLICANT: STUYVER, I TITLE OF INVENTION: I TITLE OF INVENTION: I TITLE OF INVENTION:
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                                                                                                                                                                            APPLICATION NUMBER: US/0: FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE Microsoft word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                 ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                               FILING DATE: 23 Oct PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                  APPLICATION NUMBER: PCT/EP95/04155 FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                     STATE:
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                      USA
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                                                                                                                                                                                                                                                                                                                                                                                                        BOX 4433
               PATRICIA A.
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                                                                EP 95870076.7
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Pred. No. 5.8e-42;
1; Mismatches 108;
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; TOPOLOGY: line; MOLECULE TYPE: (
; MOLECULE TYPE: (
; HYPOTHETICAL: NO ;
; ANTI-SENSE: NO US-08-836-075A-57
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US-08-836-075A-85
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Best Local Similarity
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                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASI
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                              APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES:
TITLE OF INVENTION: AND THEIR USE
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
APPLICATION NUMBER: PCT/EP95/0415;
FILING DATE: 23 Oct 1995
PRIOR APPLICATION UNDER: EP 94870166.9
FILING DATE: 21 Oct 1994
                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                   FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                  CITY: HOUSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                  STREET:
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nilarity 67.6%;
Conservative
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                                                                     PCT/EP95/04155
                                                                                                                      US/08/836,075A
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Pred. No. 2.2e-42;
2; Mismatches 108;
                                                                                                                                                        ASCII text output
                                                                                                                                                                                                                                                                                                                                                                                                 OF HEPATITIS C VIRUS GENOTYPES
AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output

ADDRESSEE: ARNOLD, WH STREET: P.O. BOX 4433 CITY: HOUSTON

WHITE & DURKEE

AGENTS 207

TEXAS

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 21 Apr 19

21 Apr 1997

US/08/836,075A

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Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEE
APPLICANT: STUYVER, LIEV
TITLE OF INVENTION: NEW
TITLE OF INVENTION: AND
TITLE OF INVENTION: AGEN
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                US-08-836-075A-61
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ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 85:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                           Sequence 61, Application US/08836075A Patent No. 6180768
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Best Local Similarity 67.6%;
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                                                            NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
                                                                                                       LIEVEN
                                                                                                                         GEERT
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                                                                AND DIAGNOSTIC
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Sequence 99, Application US/08836075A
Patent NO. 6180768
PATENT INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: AND THEIR USE A
TITLE OF INVENTION: AND THEIR USE A
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS: 207
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                                                                                                                                                                                                                                                                                                              RESULT 10
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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HYPOTHETICAL: N
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LENGTH: 340 base pairs
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FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NUMBER: ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
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                                                                  CITY: HOUSTON STATE: TEXAS
                                                                                               STREET:
                                                                                                ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
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                                                                 TEXAS
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NEW SEQUENCES OF I
AND THEIR USE AS I
AGENTS
                                                                                                                 WHITE & DURKEE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 165.6; DB 3;
Pred. No. 4e-42;
                                                                                                                                                                             HEPATITIS C VIRUS GENOTYPES PROPHYLACTIC, THERAPEUTIC A
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                                                                                                                                                                                              RESULT 11
US-09-597-877-11
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Sequence 11, Applicate Patent No. 6461845
GENERAL INFORMATION:
APPLICANT: Hagedorn, Curt H.
TITLE OF INVENTION: Recombinant Hepatitis C Virus |
FILE REFERENCE: 76-95B
CURRENT APPLICATION NUMBER: US/09/597,877
CURRENT FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: 60/004,383
PRIOR APPLICATION NUMBER: 60/04,383
PRIOR FILING DATE: 1995-09-27
PRIOR FILING DATE: 1996-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCEJDOCKET NUMBER: IN
INFORMATION FOR SEQ ID NO: 99:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION NUMBER: US/08/836,075A
ENTITY DATE: US/08/836,075A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: EP 9-FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 21 Apr
PRIOR APPLICATION DATA:
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TOPOLOGY: linear
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les 231; Conserv
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Pred. No. 4e
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; LOCATION: (1)..(1779)
US-09-597-877-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11, Application UP Patent No. 6071693
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
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Best Local Similarity 67.9
Matches 231; Conservative
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PRIOR FILING DATE: 1999-06-25
NUMBER OF SEO ID NOS: 23
SOFTWARE: Patentin Ver. 2.0
                                            SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/4*
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/08/22
FILING DATE:
FILING DATE:
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MEDIUM TYPE: Diskette, 5
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield
                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                           COUNTRY: US ZIP: 02210
               APPLICATION NUMBER: FILING DATE:
APPLICATION NUMBER:
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67.9%;
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                                  US/07/881,528
                                                                     US/08/221,653
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Pred. No. 7.4e-42;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible

COUNTRY: U ZIP: 02210

COMPUTER: IBM COM OPERATING SYSTEM:

MS-DOS Version 3.3

CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Green

E: Wolf, Greenfield 600 Atlantic Avenue

βņ

Sacks, P.C

STREET: 600 .

Massachusetts

TITLE OF INVENTION: APPLICANT: Tai-An Cha

HCV GENOMIC DIAGNOSTICS 147

SEQUENCES FOR AND THERAPEUTICS

NUMBER OF SEQUENCES:

SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08

US/08/221,653

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                                                            RESULT 13
US-08-221-653-11
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Sequence 11, Application US/08221653
Patent No. 6190864
GENERAL INFORMATION:
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Best Local Similarity
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: . Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
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                                                                                                                                            GAGCGCGGGAACCCAAGAGGACGCGGCGAGCCTACGAGTC 340
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Pred. No. 5.3e-42;
1; Mismatches 109;
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180

120

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RESULT 14
US-08-442-144A-11
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                                                                                                                                                                                                                                                    Sequence 11, Patent No. 6
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                                                                                                                                                                                                                                 GENERAL INFORMATION:
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                                                                                              APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: CO-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE:
                                                                                CORRESPONDENCE ADDRESS:
                             STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
COUNTRY:
                                                              ADDRESSEE:
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             f: 4560 Horton Street
   Emeryville
   California
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                                                                                                                                                                                                                                                                    Application US/08442144A
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                                                                Chiron Corporation
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Pred. No. 5.3e-42;
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RESULT 15
US-08-441-970-11
; Sequence 11, Application US/08441970
Parent No. 6297370
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Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 48.6%;
Best Local Similarity 67.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 Inc
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yarko Trujillo
REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: CH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA: APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
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                                                                                                                                                                                                      301
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Pred. No. 5.3e-42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches 109;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 340;
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NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield &
STREET: 600 Atlantic Avenue

Sacks, P.C

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COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WORDER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILENGE JORGERIAL STORMATION:
TELEPHONE: (617) 720-2441
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
TNOTITUTONIAL TOOLATE: ns5sml
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; INDIVIDUAL ISOLATE: ns5spl
US-08-441-970-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 230; Conserv
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STATE: Massac
COUNTRY: USA
CTD: 02210
  301
                                               301 GAGCGGAGGAGTCCCTGAGGATGCCGGGGCCCTGCGAGTC 340
                                                                                                         241
                                                                                                                                    181 CACCACAAGCTTGGGCAACACCATGACATGCTACCTGAAGGCTCAGGCGGCTTGTAGGGC
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GAGCGCGGGAACCCCAAGAGGACGCGGGGGGCCTACGAGTC 340
                                                                                                      TGCGAAGCTCCAGGACTGCACGATGCTCGTGTGCGGTGACGACCTTGTCGTTATCTGTGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            48.6%; Score 165.2; DB 3; Length 340; llarity 67.6%; Pred. No. 5.3e-42; Conservative 1; Mismatches 109; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0,
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Search completed: January 11, Job time: 101.519 secs

2006, 14:46:41

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US-07-925-695-7
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                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 77.7
Matches 262; Conservative
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INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY AGENT INFORMATION:
NAMME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/07/925,695
FILING DATE: 19920807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 20036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Washington
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                                                                      8462 CÁTGACAAACAGCAAAGGGCAATCCTGCGGCTACAGGCGTTGCCGCGCAAGCGGKGTTTT
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                     181 CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCCAAGGCGGCTTGTAAAGC
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                                                                                            GATGGAAAACAGCAAGGGCCAGGCCTGCGGATACAGGCGTTGCCGCGCAAGCGGGGTATT
                                                                                                                                                                                GCCCGAAGAGGCCCGGAAGGCCATCAAATCACTGACAGAGAGACTATACGTGGGCGGCCC 120
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                                                                                                                                                                                                                                        CTCTACTGTCACAGAGAGGGATATACGAACAGAGGAATCCATYTATCTGGCTTGTCAATT
                                                                                                                                            GCCTCAAGAAGCCAGAACTGTCATACACTCGCTCACTGAGAGACTTTACGTAGGAGGGCC
CACCACCAGCATGGGGAATACCATGACATGTTACATCAAAGCCCCTTGCAGCGTGTAAGGC
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Pred. No. 5.9e-59;
1; Mismatches 74;
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GAGCCAAGGTAACGAGGAGGACGAGCGAAACCTGAGA 8678

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Search completed: January 11, 2006, 14:46:46 Job time: 101.519 secs This Page Blank (uspto)

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Result
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1: /cgm2_6/ptodata/1,

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4: /cgm2_6/ptodata/1,

5: /cgm2_6/ptodata/1,

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6: /cgm2_6/ptodata/1,

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Gapop 10.0 , Gapext 1.0
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/cgn2_6/ptodata/1/ina/5_COMB.seq:*
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/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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                                    GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
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US-08-441-970-2
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US-08-221-653-5
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US-08-442-144A-5
US-08-441-970-5
US-09-208-140-3
US-09-208-140-3
US-09-014-416-2
US-09-014-416-6
US-08-811-566-1
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US-08-836-075A-91

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US-08-221-653-2
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US-08-836-075A-95
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163.6	163.6	163.6	163.6	163.6	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	166.8	166.8	166.8	166.8	166.8
48.1	48.1	48.1	48.1	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6		48.6	48.6	48.6	49.1	49.1	49.1	49.1	49.1
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US-08-442-144A-1	US-08-221-653-22	US-08-221-653-1	US-08-441-971-22	US-08-441-971-1	US-09-929-955-13	US-10-104-966-13	US-08-823-895A-26	US-08-441-970-20	US-08-441-970-3	US-08-442-144A-20	US-08-442-144A-3	US-08-221-653-20	US-08-221-653-3	US-08-441-971-20	US-08-441-971-3	US-09-034-756-19	US-08-811-566-19	US-08-432-693-1	US-09-208-140-1	US-08-441-970-4
Sequence 1, Appli	Sequence 22, Appl	Sequence 1, Appli	Sequence 22, Appl	Sequence 1, Appli	Sequence 13, Appl	-	Sequence 26, Appl	Sequence 20, Appl	Sequence 3, Appli	Sequence 19, Appl	Sequence 19, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 4, Appli						

ALIGNMENTS

Patent No. 6180768
GENERAL INFORMATION:

5, Application US/08836075A 6180768

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COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word 6.0 / ASCII text output

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A

FILING DATE: 21 Apr 1997

PRIOR APPLICATION NUMBER: PCT/EP95/04155

FILING DATE: 23 Oct 1995

PRIOR APPLICATION NUMBER: EP 94870166.9

FILING DATE: 23 Oct 1994

PRIOR APPLICATION NUMBER: EP 95870076.7

APPLICATION NUMBER: EP 95870076.7

FILING DATE: 28 Jun 1995

ATTORNEY/AGENT INFORMATION:

NAME: KAMMERER, PATRICIA A.

REGISTRATION NUMBER: 29,775

REFERENCE/DOCKET NUMBER: 29,775

INFORMATION FOR SEQ ID NO: 95:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERIENS, CAPPLICANT: STUYVER, LITITLE OF INVENTION: NUTITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF INVENTION: ACTITLE OF SEQUENCES:
TOPOLOGY: 1i
MOLECULE TYPE:
HYPOTHETICAL:
                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
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ZIP: 77210-4433
                                                            STRANDEDNESS: single
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O. BOX 4433
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LIEVEN
NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AL
AGENTS
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 APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNET/AGENT INFORMATION: NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION FOR SEQ ID NO: 93:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQU
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 340; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 93, Application US/08836075A Patent No. 6180768
                                                                                                                                                                                                                                                                    ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                             CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: ARNOLD, WHI
STREET: P.O. BOX 4433
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ilarity 100.0%; Pred. No. 1.1e-105;
Conservative 0; Mismatches 0;
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US-08-836-075A-91
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Best Local S
Matches 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 91, Application US/08836075A Patent No. 6180768
PRIOK AFFILTANCE.

APPLICATION NUMBER: PCT/EPS
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 956
FILING DATE: 28 Jun 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: MAERTENS, APPLICANT: STUYVER, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                       CITY: HOUSTON
STATE: TEXAS
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                                                                                                                                                                                                                                                                                                                                      STREET:
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AND THEIR USE A
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72.0%;
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         EP 95870076.7
1995
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COUNTRY: USA
ZIE: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compactible
COMPUTER: IBM PC compactible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
DETITATION MIMBER: DOT/FEDGE/04155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCCACAAGCATGGGTAACACCATCACATGCTTCCTGAAGGCAACCGCCGCTTGCCGAGCA
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Pred. No. 6e
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RESULT 4
US-09-878-281A-211
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                         SOFTWARE: PatentIn version 3.1
SEQ ID NO 211
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 211, Application US/09878281A Patent No. 6762024
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Best Local Similarity
Matches 236; Conserv
                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
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REGISTRATION NUMBER: 29,
REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                FEATURE: misc_feature LOCATION: (11)..(11)
                                                                                                                                                                                                                      TYPE: DNA ORGANISM: hepatitis C virus
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MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
NAME/KEY: misc feature LOCATION: (333)..(334) OTHER INFORMATION: "n"
                                                                          LOCATION: (327)..(327)
OTHER INFORMATION: "n" is
                                                                                             NAME/KEY: misc_feature
LOCATION: (327)..(327)
                                                                                                                                               OTHER INFORMATION: "n" is
                                                           FEATURE:
                                                                                                                                  FEATURE:
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LENGTH: 340 base pairs
TYPE: nucleic acid
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NAME: KAMMERER, PATRICIA A.
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ER: INNS:004
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Pred. No. 3.5e-50;
1; Mismatches 101;
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; LOCATION: (340)...(340)
; OTHER INFORMATION: "n" is any nucleotide
US-09-878-281A-211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-441-971-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 6071693
Patent INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
COMPUTER: IBM compat
APPLICATION NUMBER: 07/6:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                            OPERATING SYSTEM: MS-DOS V
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
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                                                 APPLICATION NUMBER: US/07/881,528 FILING DATE:
                                                                               APPLICATION NUMBER: FILING DATE:
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                                                                                                                                               FILING DATE:
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                                                                                                                                                                                                                        IBM compatible
                                                                                                                                                                                                                                            Diskette,
                                                                                                                                             16-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                       HCV GENOMIC DIAGNOSTICS
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Pred. No. 2.1e-48;
0; Mismatches 106;
                                                                                                                                                                                                                                                                                                                                                          Sacks, P.C
                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCES FOR AND THERAPEUTICS
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NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:

(617)

TELEFAX:

(617) 720-2441

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US-08-221-653-2
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Patent No. 6190864
GEMERAL INFORMATION:
APPLICANT: Tai-An Cha
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nuclectides
                                                                                                                               COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NTWICE
                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5i21
                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
FILING DATE:
                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
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APPLICATION NUMBER: 07/
FILING DATE: 8 May 1991
                                                                                                            APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                     CITY: Boston
                                                                                                                                                                                                                                                                                                                                   STREET:
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PE: DNA
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                                                      US/07/881,528
                   07/697,326
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Pred. No. 6.2e-48;
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US-08-442-144A-2
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Patent No.
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REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TRIEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (617) 720-244
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                          APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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ORIGINAL SOURCE:
                                              ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.
MEDIUM TYPE: Diskette, 3.
MEDIUM TYPE: Diskette, 3.
CURRENT APPLICATION DATA:
                                                                                                                                       STREET: 4560 Horton Street CITY: Emeryville STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INDIVIDUAL ISOLATE: ns5i21
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Local Similarity 68.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 340 nucleotides
              OPERATING SYSTEM: Windows NT SOFTWARE: Microsoft Word 97
                                                                                                                        COUNTRY:
                                                                                                                                                                                               ADDRESSEE:
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                                                                                                                          USA
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                                                                      3.5 Inch
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Pred. No. 6.2e-48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches 106;
                                                                                                                                                                                                                                                     SEQUENCES FOR AND THERAPEUTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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US-08-441-970-2
; Sequence 2, Application US/08441970
; Patent No. 6297370
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local :
                                                                                                                                                                                                                                                         GENERAL INFORMATION: APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                      APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Doreen Yatko Trujillo
REGISTATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: MAY 16,
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                      STREET:
    COMPUTER:
                                                                             COUNTRY:
                                                                                                     STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INDIVIDUAL ISOLATE:
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                                                                                               Boston
: Massachusetts
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                                                                                                                                    600 Atlantic Avenue
                                                                             USA
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BM compatible
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Pred. No. 6.2e-48;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 340;
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US-08-441-971-5
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                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                               Sequence
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Best Local Similarity
Matches 233; Conserv
                                                                                                             GENERAL INFORMATION:
APPLICANT: Tai-An Cha
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/(
FILING DATE: 16-MAY-1999
CLASSIFICATION: 536
                                                    NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE:
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APPLICATION NUMBER: 07/881,528

FILING DATE: 08-MAY-1992

APPLICATION NUMBER: 07/697,326

FILING DATE: 8 MAY 1991

ATTORNEY/AGENT INFORMATION:
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  STREET: STREET: Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
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5. 6071693
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Massachusetts
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                                    600 Atlantic Avenue
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Local

COUNTRY: US ZIP: 02210

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US-08-221-653-5
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Sequence 5, Application US/08221653
PATENT NO. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 232
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
ORIGINAL SOURCE:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08 FILING DATE: 16-MAY-1995
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                                                                                                                                                                                           302
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                                                                                                                                                                                                                                                                                                                                                                      122 CTTACCAATTCAAGGGGGGAAAACTGCGGCTATCGCAGGTGCCGCGAAGCGGCGTACTG 181
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   HCV GENOMIC SEQUENCES FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ns5us17
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Pred. No. 2.2e-47;
0; Mismatches 107;
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SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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OPERATING SYSTEM: MS-DOS V
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08)
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TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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AGTCAGGGAGTCCAGGAGGATGCAGCGAACCTGAGAGCC 340
                                                                                                   GCCGGCTTTACAGATTATGACATGTTGGTCTGCGGAGACGACTTTGGTTGTCGTAACTGAG
                                                                                                                                            ACAACTAGCTGTGGTAACACCCTCACTTGTTACATCAAGGCCCCAAGCAGCCTGTCGAGCC
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                                AGTGCTGGAGTCAACGAGGATATCGCTAACCTGCGAGCC 340
                                                                      GCAGGGCTCCGGGACTGCATGCTCGTGTGTGGCGACGACTTAGTCGTTATCTGTGAA
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Best Local
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APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELECHONE: 215-568-3100
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SEQUENCE CHARACTERISTICS:
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APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUT!
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APPLICATION NUMBER: US,
FILING DATE: MAY 16, 19
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MEDIUM TYPE: Diskette, 3.5 Inch
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OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
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TELEFAX: 215-568-3439
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                                 GCCGGCTTTACAGATTATGACATGTTGGTCTGCGGAGACGATTTGGTTGTCGTAACTGAG 301
GCAGGGCTCCGGGACTGCACCATGCTCGTGTGTGGCGACGACTTAGTCGTTATCTGTGAA 301
                                                                           ACAACTAGCTGTGGTAACACCCTCACTTGTTACATCAAGGCCCAAGCAGCCTGTCGAGCC
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US-08-441-970-5
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GENERAL INFORMATION:
APPLICANT: Tai-An Cha
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                                                                                                                                                                                                                                                                                                         Query Match 49.5%;
Best Local Similarity 68.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
ORIGINAL SOURCE:
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REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
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FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/69
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
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TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
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ADDRESSEE: Wolf, Greenfield & Sacks, P.C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: sing
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                                                                      CTTACCAATTCAAGGGGGGAAAACTGCGGCTATCGCAGGTGCCGCCAAGCGGCGTACTG 181
                                                                                                    ATGTACAACTCAAAGGGCCAACTCTGTGGTCAACGCCGATGCCGAGCAAGCGGAGTACTC 181
                                                                                                                                            GACCCCCAAGCCCGCGTGGCCATCAAGTCCCTCACCGAGAGGCTTTATGTCGGGGGCCCT
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ACAACTAGCTGGTAACACCCTCACTTGTTACATCAAGGCCCAAGCAGCCTGTCGAGCC 241
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Pred. No. 2.2e-47;
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US-09-208-140-3
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Patent No. 6228576
GENERAL INFORMATION:
APPLICANT: Del Vecchio, Alfred
TITLE OF INVENTION: HEPATITIS C VIRUS NS5B TRUNCATED PROTEIN
TITLE OF INVENTION: AND METHODS THEREOF TO IDENTIFY ANTIVIRAL COMPOUNDS
FILE REFERENCE: P50743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 3
LENGTH: 1710
                                                                                                                                                         Sequence 7, Application US/09827688 Patent No. 6821955 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 49.5%; Score 168.4; DB 3; Best Local Similarity 68.4%; Pred. No. 4.7e-47; Matches 232; Conservative 0; Mismatches 107;
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ORGANISM: Viral
-09-208-140-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/208,140
CURRENT FILLING DATE: 1998-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: FastSEQ for Windows Version 3.0
APPLICANT: ORSON, FRANK
APPLICANT: KINSEY, BERNA
APPLICANT: BHOGAL, BALBIR
TITLE OF INVENTION: MACROAGGREGATED PROTEIN CONJUGATES AS ORAL GENETIC IMMUNIZATION
TITLE OF INVENTION: AGENTS
FILE REFERENCE: P01949US1/10004014
CURRENT APPLICATION NUMBER: US/09/827,688
CURRENT FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 60/195,680
PRIOR FILING DATE: 2000-04-07
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APPLICANT: Yanagi, Masayuki
APPLICANT: Bukh, Jens
APPLICANT: Bukh, Jens
APPLICANT: Emerson, Susanne U.
APPLICANT: Purcell, Robert H.
APPLICANT: Purcell, Robert H.
TITLE OF INVENTION: CLONED GENOMES OF INFECTITIE OF INVENTION: USES THEREOF
FILE REFERENCE: 20264276
CURRENT APPLICATION NUMBER: US/09/014,416
CURRENT FILING DATE: 1998-01-27
EARLIER APPLICATION NUMBER: US 60/053,062
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 65
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Best Local Similarity 68.4
Matches 232; Conservative
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SOFTWARE: PatentIn ver
SEQ ID NO 7
LENGTH: 9365
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Best Local Similarity
                                                                                                                                                                   Matches 232;
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ORGANISM: HEPATITIS
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TYPE: DNA
ORGANISM: Hepatitis C
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                        62 GACCCAGAGGCCCGGAAAGCCATAAAGTCTCTCACTGAGAGGCTCTATGTCGGGGGCCCT 121
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GACCCCCAAGCCCGCGTGGCCATCAAGTCCCTCACTGAGAGGCTTTATGTTGGGGGCCCCT
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Pred. No. 1e-46;
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/cgn2_6/ptodata/1/ina/6_COMB.seq:*
/cgn2_6/ptodata/1/ina/6_COMB.seq:*
/cgn2_6/ptodata/1/ina/H_COMB.seq:*
/cgn2_6/ptodata/1/ina/FCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/pcTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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US-08-441-971-15
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US-08-836-075A-99
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                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: MAERTENS, CAPPLICANT: STUYVER, LI TITLE OF INVENTION: NI TITLE OF INVENTION: ACTITLE OF INVENTION: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                         TOPOLOGY:
                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: HOUSTON
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166.8	166.8	167.2	168.4	168.8	169.8	170.4		174.2	174.8	186.4	187.2	200.8	202.4	202.4	202.4	202.4	202.4	٠	206.8	206.8
49.1	49.1	49.2	49.5	49.6	49.9	50.1	50.9	51.2	51.4	54.8	55.1	59.1	59.5	59.5					60.8	60.8
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Sequence 87, App1	•	Sequence 207, App	Sequence 116, App	Sequence 112, App		Sequence 106, App	201	Sequence 83, Appl	•	73,	•	79,	Sequence 14, Appl	Sequence 14, Appl	Sequence 14, Appl	•	14, 1	145,	Sequence 13, Appl	Sequence 13, Appl

ALIGNMENTS

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APPLICAM: STITUER, LIEVEN
APPLICAM: STITUE, OF INVENTION: NEW SEQUENCES OF HEBATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: NEW SEQUENCES OF HEBATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. 80X 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: FIXAS
COMPUTER READABLE FORM:
MEDIUM TYPE: PLOPBY disk
COMPUTERS: BADELIC FORM:
MEDIUM TYPE: PLOPBY disk
COMPUTERS: BADELIC FORM:
APPLICATION NUMBER: PC-DOS/MS-DOS
SOFTWARE: MICROSOFT WORDS.
SOFTWARE: MICROSOFT WORDS.
APPLICATION NUMBER: PC-DOS/MS-DOS
SOFTWARE: APPLICATION NUMBER: POT/EP95/04155
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Best Local Similarity
Matches 340; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 105, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
                                                            APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION UNMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
NAME: KAMMERER, PATRICIA A.
            REFERENCE/DOCKET NUMBER: IN INFORMATION FOR SEQ ID NO: 105:
                                                                                                                                                                                                                                                                                          ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: MAERTENS, GEERI APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SECTITLE OF INVENTION: AND THE TITLE OF INVENTION: AGENTS
                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/836,075A FILING DATE: 21 Apr 1997 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                           NAME: KAMMEKEK, FRANCE 29,775
REGISTRATION NUMBER: 29,775
INNS:004
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P.O. BOX 4433
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AS
AGENTS
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RESULT 3
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; ANTI-SENSE: NO
US-08-836-075A-105
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Matches
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                                                                               CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
PRIOR APPLICATION DATA:
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             APPLICATION NUMBER: EP 9:
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: MAERTENS, GEERT APPLICANT: STUYVER, LIEVEN TITLE OF INVENTION: NEW SECTIFIE OF INVENTION: AND THE TITLE OF INVENTION: AGENTS
                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2: CORRESPONDENCE ADDRESS:
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28 Jun 1995
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94.1%;
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS
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                  EP 95870076.7
                                                                       EP 94870166.9
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APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C vir
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: Patentin version 3.1
SEQ ID NO 215
LENGTH: 340
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                                                                                                                                                                   ; TYPE: DNA; ORGANISM: hepatitis C virus US-09-878-281A-215
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US-09-878-281A-215
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Best Local S
Matches 313
                                                                                                          Query Match
Best Local Similarity
Matches 265; Conserv
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LENGTH: 335 base pairs
TYPE: nucleic acid
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NAME: KAMMERER, BATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
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                                                                                                     65.1%; Score 221.2; DB 3; 78.4%; Pred. No. 1e-65; tive 0; Mismatches 73;
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Pred. No. 2.4e-94;
4; Mismatches 18
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US-07-925-695-6
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US-07-925-695-6
Query Match 64.5%; Score 219.2; DB 2; Best Local Similarity 63.9%; Pred. No. 2.8e-64; Matches 216; Conservative 48; Mismatches 74;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6, Applic Patent No. 5428145
                                                                                                                                                                                                                     TELEX: WUI 64470 INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360
FILING DATE: 05-DEC-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: OKAMOTO, Hiroaki APPLICANT: NAKAMURA, Tetsuo TITLE OF INVENTION: NON-A, NO TITLE OF INVENTION: POLYNUCLE TITLE OF INVENTION: DETECTION NUMBER OF SEQUENCES: 9
                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
                                                                                                                                                                                                                                                                                 TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 06
                                                                                                         STRANDEDNESS: single TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                  NAME: Weilacher, Robert REGISTRATION NUMBER: 20
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DETECTION SYSTEMS
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US-07-925-695-7
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US-07-925-695-7
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APPLICANT: OKAMOTO, I
APPLICANT: NAKAMURA,
                                                                                                         TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILLING DATE: 19920807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Beveridge, DeGrandi, Weilacher & Young
STREET: 1850 M Street, N.W., Suite 800
                                                                                                                                                              NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                    APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: JP 287402/91 FILING DATE: 09-AUG-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                       SEQUENCE CHARACTERISTICS:
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                                                   LENGTH:
                                    STRANDEDNESS:
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             TOPOLOGY:
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                                                                  9511 base pairs
                                                                                                                                             (202) 659-1462
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                 linear
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US-08-441-971-15
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Patent No. 6071693
GENERAL INFORMATION:
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                                          TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                               APPLICATION NUMBER: 07/69:
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
            SEQUENCE CHARACTERISTICS LENGTH: 340 nucleotid
                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 1
FILING DATE: 16-MAY-:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: MS-DOS Version SOFTWARE: WordPerfect 5.1 CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskett
COMPUTER: IBM compat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
                                                                                               REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                   TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/221,653
FILING DATE:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP:
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Pred. No. 2.8e-64
1; Mismatches 7
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RESULT 8
US-08-221-653-15
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GENERAL INFORMATION:
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Best Local &
                                                                                                                                                       OPERATING SYSTEM: MS-DOS VE.
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/2:
FILING DATE:
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/07/8:
FILING DATE:
                                APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM compatib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                STREET: 600 At CITY: Boston STATE: Massacl COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                       ZIP:
                     TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        600 Atlantic Avenue
     (617) 720-3500
(617) 720-2441
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Pred. No. 9.3e-65;
0; Mismatches 76
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APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SE
TITLE OF INVENTION: DIAGNOSTICS AN
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
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SEQUENCE, CHARACTERISTICS:
LENGTH: 340 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Matches
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOPTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                    COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: ns5i10
                                                                                                                                                                                                                                          STREET: 4560 Horton Street CITY: Emeryville STATE: California
                                                                                                                                                                                                                                                                                                ADDRESSEE: Chiron Corporation
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                          AAGCAAGGGGGTGGAGGAGGACCAGCGGGACCTACGAGTC 340
                                                                                                                                                                                                                                     CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCTAAAGCGGCTTGTAAAGC
                                                                                                                                                                                                                                                                                                                                        GATGGAAAACAGCAAGGGCCAGGCTTGCGGATATAGGCGTTGCCGCGCAAGCGGGGTATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCCTGAAGAGGCCCGGAAAGCCATTAAATCGCTGACAGAGAGACTATACGTGGGCGGCCC
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                                                                                                  CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 218.4; DB 3; Pred. No. 9.3e-65; 0; Mismatches 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 340;
340
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ATTORNEY/AGENT INFORMATION:

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RESULT 10
US-08-441-970-15
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                                                                                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/08441970 Patent No. 6297370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches 264; Conservative
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
                                                                                                                                                                                                                                            APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
ORIGINAL SOURCE:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 340 Nucleotid
TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 215-568-3439
                                                                                                                                                               ZIP:
                                                                                                                                                                                                               STREET: 600 CITY: Boston
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                                                                                                                                                                              COUNTRY:
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Pred. No. 9.3e-65;
0; Mismatches 76;
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                                                                                                                                                    Sequence 16, Application US/08441971
Patent No. 6071693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches 264;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nuclectides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 07/881,52:
FILING DATE: 08 MAY-1992
APPLICATION NUMBER: 07/697,32:
FILING DATE: 8 MAY 1991
AITORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 2077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
ORIGINAL SOURCE:
                                NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C
                                                                                   APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 720-2441
STREET: 600 I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GCCTGAAGAGGCCCGGAAAGCCATTAAATCGCTGACAGAGAGACTATACGTGGGCGGCCC 120
                                                                                                                                                                                                                                                               GAGTCAGGGGGCCAGGAAGATGAGCGGAACCTGAGAGTC 340
                                                                                                                                                                                                                                                                                  AAGCAAGGGGGTGGAGGAGGACCAGCGGGACCTACGAGTC 340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             600 Atlantic Avenue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 340;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5
COMPUTER: IBM compatible

5.25 inch

OPERATING SYSTEM:

MS-DOS Version

COUNTRY: US

USA

Massachusetts

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US-08-221-653-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 263
                                                                                                         Sequence 16, Application US/08221653
Patent No. 6190864
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: 16:
                             NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: lin
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                            TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
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APPLICATION NUMBER:
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Boston
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              600 Atlantic Avenue
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77.8%;
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                                                                              SEQUENCES FOR AND THERAPEUTICS
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US-08-442-144A-16
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 Sequence 16, Application US/08442144A
Patent No. 6214583
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 263;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
US-08-221-653-16
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
APPLICATION NUMBER: 07/697
FILING DATE: 8 May 1991
ATTORNEY AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WOO'DEAFFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-2441
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                    121 GATGGAAAACAGCAAGGGCCAGGCTTGCGGATATAGGCGTTGCCGCGCAAGCGGGGTATT
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                                        AAGCAAGGGGGTGGAGGAGGACCAGCGGGACCTACGAG
                                                                                                                                                                                  CACCACCAGCATGGGTAACACACTCACGTGCTACGTGAAAGCTAAAGCGGCATGTAACGC
                                                                                                                                                                                                                             CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCTAAAGCGGCTTGTAAAGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                CGCGGGCATTGTTGCCCCCCACCATGTTGGTGTGCGGCGACGACCTAGTCGTCATCTCAGA
                                                                                                                               CGCTGGCATTGTAGACCCGGTGATGCTCGTGTGCGGTGACGACCTAGTGGTCATCTCAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             64.1%;
77.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 218; DB 3;
Pred. No. 1.3e-64;
0; Mismatches 75
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Gaps

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US-08-442-144A-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CONTINUES: 08/221,65:
APPLICATION NUMBER: US/08/442
FILING DATE: MAY 16, 1995
CLASSIFICATION DATA:
APPLICATION OBTA:
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMER: 08/221,65:
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: DOTEON YALKO TUJÍLIO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR
TELEPHONE: 215-568-3100
TELEPHONE: 215-568-3100
TELEPHONE: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94608-2916
COMPUTER READABLE FORM:
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Diskette, 3 COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Emeryville
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Chiron Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 340 Nucleotides
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                                301
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 GAGTCAAGGGTCGAGGAGGATGAGCGAAACCTGAGAG 338
                                AAGCAAGGGGGTGGAGGAGGACCAGCGGGACCTACGAG 338
                                                                                        CGCTGGCATTGTAGACCCGGTGATGCTCGTGTGCGGTGACGACCTAGTGGTCATCTCAGA
                                                                                                                                 CACCACCAGCATGGGTAACACACTCACGTGCTACGTGAAAGCTAAAGCGGCATGTAACGC
                                                                                                                                                         CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCTAAAGCGGCTTGTAAAGC
                                                                                                                                                                                                   CATGACAAACAGCAAAGGGCAATCCTGCGGGTACAGGCGTTGCCGCGCGAGCGGAGTGCT
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77.8%;
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Pred. No. 1.3e-64;
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                                                                                                                                                                                                                                                                                                                                                                                                     75;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 340;
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RESULT 14

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; ORIGINAL SOURCE:
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APPLICATION NUMBER: 07/881,520
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 16, Application US/08441970 Patent No. 6297370
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Best Local Similarity
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APPLICANT: Tal-An Cha
APPLICANT: Tal-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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CLASSIFICATION: 536
PRIOR APPLICATION DATA:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
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ADDRESSEE: Wolf, Gre
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TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
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                                                                     CGCTGGCATTGTAGACCCGGTGATGCTCGTGTGCGGTGACGACCTAGTGGTCATCTCAGA
                                                                                                                                                                            CATGACAAACAGCAAAGGGCAATCCTGCGGGTACAGGCGTTGCCGCGCGAGCGGAGTGCT
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Pred. No. 1.3e-64;
0; Mismatches 75
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US-08-836-075A-71
                                                                                                                                                                                                                                                                                                                                                                           ; ANTI-SENSE: US-08-836-075A-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY, AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NNS:004
INFORMATION FOR SEQ ID NO: 71:
                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 71, Application US/08836075A Patent No. 6180768
                                                                                                                                                                                                                                                                                                   Matches 261; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: MAERTENS, GEERT
APPLICANT: STUTYVER, LIEVEN
TITLE OF INVENTION: AND THEI
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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STREET: P.O. BO
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                      121 CATGATGAACAGCAAAGGGCAGTCCTGCGGATACAGGCGTTGCCGCCTAGCGGAGTGCT
181
                                   181
                                                                                                             121 GATGGAAAACAGCAAGGGCCAGGCTTGCGGATATAGGCGTTGCCGCGCAAGCGGGGTATT 180
                                                                                                                                                  61
                                                                                                                                                                      CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCTAAAGCGGCTTGTAAAGC 240
CACCACCAGTATGGGGAACACCATCACGTGTTATGTGAAAGCCCTCGCAGCTTGTAAAGC
                                                                                                                                                  ACCCGAGCAGGCCCGGACTGCCATACATTCATTAACTGAGAGACTTTACGTGGGAGGGCC
                                                                                                                                                                                                                      CTCAACCGTCACAGAGAGGGATATAAGAACTGAGGAGTCCATATACCTGGCCTGCTCCTT
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76.8%;
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                                                                                                                                                                                                                                                                                               Score 213.6; DB 3; Length 340;
Pred. No. 4.1e-63;
0; Mismatches 79; Indels 0
                                                                                                                                                                                                                                                                                                   Indels 0;
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240
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Search completed: January 11, 2006, 14:46:44 Job time : 101.519 secs This Page Blank (uspto)

Copyright

GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd

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Result
No.
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Searched:
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3: /cgm2_6/ptodata/1

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Maximum Match 100%
Listing first 45 summaries
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/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
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/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
/cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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US-08-836-075A-99
US-08-836-075A-91
US-08-836-075A-71
US-09-878-281A-215
US-09-878-281A-145
US-07-925-695-7
US-08-441-971-17
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US-08-441-971-17
US-08-441-970-17
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US-08-361-075A-79
US-08-361-075A-79
US-08-361-075A-79
US-08-361-075A-79
US-08-441-971-15
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Sequence 101, App
Sequence 99, Appl
Sequence 99, Appl
Sequence 71, Appl
Sequence 71, Appl
Sequence 74, Appl
Sequence 145, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 17, Appl
Sequence 18, Appl
Sequence 19, Appl
Sequence 19, Appl
Sequence 115, Appl
Sequence 15, Appl
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164.2	165	165.4	167.4	168.6	170.6	171.4	171.8	174.6	176.2	195.4	197	197	197	197	199.2	205	205	205	205	208.2
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US-08-441-971-5	US-09-878-281A-203	US-09-878-281A-112	US-08-836-075A-87	US-09-878-281A-106	US-08-836-075A-83	US-08-836-075A-55	US-08-836-075A-85	US-09-878-281A-201	US-09-878-281A-116	US-08-836-075A-73	US-08-441-970-14	US-08-442-144A-14	US-08-221-653-14	US-08-441-971-14	US-08-836-075A-77	US-08-441-970-13	US-08-442-144A-13	US-08-221-653-13	US-08-441-971-13	US-08-441-970-15
Sequence 5, Appli	Sequence 203, App	Sequence 112, App	Sequence 87, Appl	Sequence 106, App	Sequence 83, Appl	Sequence 55, Appl	Sequence 85, Appl	•	Sequence 116, App		14,	•	•	-	•	Sequence 13, Appl	Sequence 13, Appl	Sequence 13, Appl	Sequence 13, Appl	•

ALIGNMENTS

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GENERAL INFORMATION:
APPLICANT: MARETENS, GEERT
APPLICANT: TITLE OF INVENTION: AND SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ANOULD, WHITE & DURKEE
STATE: TEXAS
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-443
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER PLICATION DATA:
APPLICATION NUMBER: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: BP 94870166.9
FILING DATE: 23 Dat 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BP 95870076.7
FILING DATE: 21 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BP 95870076.7
FILING DATE: 23 Jun 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BP 95870076.7
FILING DATE: 23 Dun 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BP 95870076.7
FILING DATE: 23 Dun 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BP 95870076.7
FERERENCE/DOCKET NUMBER: BP 95870076.7
REGISTRATION NUMBER: BP 95870
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GENERAL INFORMATION:
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                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
        REFERENCE/DOCKET NUMBER: INFORMATION FOR SEQ ID NO: 105:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                        FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                        APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: ARNOLD, WHI
STREET: P.O. BOX 4433
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o. 6180768
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                            INNS:004
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US-08-836-075A-99
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Best Local Similarity
Matches 315; Conserv
COUNTRY: USA

ZIP: 77210-4433

ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
PRIOR APPLICATION DATA:
APPLICATION NUMBER: E9 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: E9 95870076.7
PRIOR APPLICATION DATA:
APPLICATION NUMBER: E9 95870076.7
PRIOR APPLICATION NUMBER: E9 95870076.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERTENS, G
APPLICANT: STUTYER, LI
TITLE OF INVENTION: NE
TITLE OF INVENTION: AN
TITLE OF INVENTION: AC
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TOPOLOGY: lin
                                                                                                                                                                                                                                                                                                                                                               CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: ARNOLD, WH
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH:
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LIEVEN
NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
AGENTS
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Pred. No. 1.2e-83;
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US-09-878-281A-215
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                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Innogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis,
TITLE OF INVENTION: and therapy
                                                                                                                                                                                                                                                                                                                                                                              Sequence 215, Application US/09878281A Patent No. 6762024
                                                                                                          Matches
                                                                                                                        Best Local
                                                                                                                                     Query Match
                                                                                                                                                                                                                            SEQ ID NO 215
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                                                                                                                                                                                                                                         FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 10,100
INFORMATION FOR SEQ ID NO: 99:
                                                                                                                                                                          LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
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TOPOLOGY: lin
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                                                              CTCCACTGTCACTGAGAGAGACATACGGACAGAAGCAATCCATCTAYYTGGCTTGTCAATT 60
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79.0%;
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                                                                                                     Score 224.6; DB 3;
Pred. No. 3.9e-58;
3; Mismatches 67;
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Pred. No. 2.6e-82;
4; Mismatches 18;
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Query Match
Best Local Similarity
Watches 262; Conserve
                                                                                     ; ANTI-SENSE: US-08-836-075A-71
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US-08-836-075A-71
; Sequence 71, Ap
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 6180768
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
TITLE OF INVENTION: 1
NUMBER OF SEQUENCES:
                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: EP 94870166.9 FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 23 Oct 1995 PRIOR APPLICATION DATA:
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                                                                                                                      HYPOTHETICAL:
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                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                          STRANDEDNESS: single
                                                                                                                                                                                                                                                             NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: IN
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: EP 95870076.7 FILING DATE: 28 Jun 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 77210-4433
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                Conservative
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                Score 223; DB 3;
Pred. No. 1.2e-57;
3; Mismatches 68
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                                                 Length 340;
                  Indels
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Sequence 6, Application US/07925695
Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
TITLE OF INVENTION: NON-A, NON-B |
TITLE OF INVENTION: POLYMUCLEOTID:
US-07-925-695-6
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                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
FILING DATE: 09-AUG-1991
                                                        IELEX: WUI 64470
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 9511 harr
                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 659-2811
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CITY: V
                LENGTH: 9511 base pairs TYPE: NUCLEIC ACID STRANDEDNESS: single TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                              JP 360441/91
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Best Local Similarity
                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: OKAMOTO, I
APPLICANT: NAKAMURA,
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                        APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
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                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
ZIP: 200
                                                   TELEFAX:
                                                                                                           REGISTRATION NUMBER: 20, REFERENCE/DOCKET NUMBER:
                                                                      TELEPHONE:
                                                                                                                                              NAME: Weilacher, Robert G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington
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US-09-878-281A-145
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                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 258
                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 145
LENGTH: 340
TYPE: DNA
ORGANISM: hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 145, Application US/09878281A Patent No. 6762024
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Best Local Similarity 78.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, proph TITLE OF INVENTION: and therapy FILE REFERENCE: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Innogenetics N.V.
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.4PE: NUCLEIC ACID
STRANDEDNESS: 81"
TOPOLOCY: 1:-
925-695-7
                                                                                                                                                                                                                                                                     Local Similarity 77.0 nes 258; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION:
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 181
                                181
                                                                   121
                                                                                     121 GATGGAAAACAGCAAAGGCCAGGCCTGCGGATATAGGCGTTGCCGCGCAAGCGGGGTATT
                                                                                                                                                                     61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61
                                                                                                                                   61 ACCCGAGCAGGCACGGACTGCCATACACTCACTGAGAGGGCTTTACGTGGGAGGGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CTCCACTGTCACTGAGAGAGACATACGGACAGAAGAATCCATCTAYYTGGCTTGTCAATT
CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAGGCCAARGCAGCTTGTAAAGC 240
                                                                CATGCTAAACAGCAAAGGGCAAACCTGCGGATACAGACGCTGCCGCGCCCAGCGGAGTGTT
                                                                                                                                                            GCCCGAAGAGGCCCGGAAGGCCATTAAATCACTGACAGAGAGACTATACGTGGGCGGCCC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAGGCCAARGCAGCTTGTAAAAGC
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                                                                                                                                                                                                                                     CTCCACTGTCACTGAGAGAGACATACGGACAGAAGAATCCATCTAYYTGGCTTGTCAATT 60
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                                                                                                                                                                                                     GAGCCAAGGTAACGAGGAGGACGAGCGAAACCT
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                                                                                                                                                                                                                                                                                   64.7%;
77.0%;
                                                                                                                                                                                                                                                                     Score 216.6; DB 3;
Pred. No. 1e-55;
4; Mismatches 73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 221; DB 2; Length 9511;
Pred. No. 1.6e-56;
4; Mismatches 69; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8674
                                                                                                                                                                                                                                                                                                     DB 3; Length 340;
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US-08-441-971-16
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                                                                                                                         Query Match
Best Local S
Matches 256
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
APPLICATION NUMBER: US/07/881
FILING DATE:
APPLICATION NUMBER: 07/697,32
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                       MOLECULE TYPE: DNA ORIGINAL SOURCE: INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotide
                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: COTELECOMMUNICATION INFORMATION: TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
OLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (617) 720-2441
                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
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                                                                                                                           256;
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                                                                                  CTCCACTGTCACTGAGAGAGACATACGGACAGAAGAATCCATCTAYYTGGCTTGTCAATT
                       GCCCGAAGAGGCCCGGAAGGCCATTAAATCACTGACAGAGAGACTATACGTGGGCGGCCC
                                                            GCCTGAGGAGGCTCGAACTGCCATACACTCACTGACTGAGGGGCTGTACGTAGGGGGGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAGCAAGGGGGTAGAGGAGGACCAGCGAGACCTAC 335
                                                                                                                                                                                                                                                                                                                                                      EZEKIEL
                                                                                                                                                                                                                                                                                                       340 nucleotides
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                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-MAY-1995
                                                                                                                                       64.1%;
76.9%;
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                                                                                                                                                                                                                                                                                                                                       16:
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                                                                                                                       Score 214.6; DB 3;
Pred. No. 4.1e-55;
4; Mismatches 73;
                                                                                                                                                                                                                                                                                                                                                                                                                      C0772/7000
                                                                                                                                                       DB 3;
                                                                                                                                                       Length 340;
                                                                                                                           Indels
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US-08-221-653-16
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GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                       Matches 256;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16,
                                                                                                        Query Match
                                                                                                                                                                                                                                                                                   TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                              MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Janiuk, Anthony REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM: MS-DOS Version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                       Local
                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                 TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Boston
                                                                                                                                                             INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
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                                                                                       Similarity
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                      CTCCACTGTCACTGAGAGAGACATACGGACAGAAGAATCCATCTAYYTGGCTTGTCAATT 60
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                                                                                                                                                                                                                                                                       340 nucleotides
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                                                                       Conservative
                                                                                                                                                                                                               linear
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                                                                                    64.1%;
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                                                                     4;
                                                                                                                                                                                                                                                                                                                                                                                                   C0772/7000
                                                                   Score 214.6; DB 3;
Pred. No. 4.1e-55;
4; Mismatches 73;
                                                                                                     Length 340;
                                                                     Indels
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US-08-442-144A-16
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                  US-08-442-144A-16
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                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
APPLICATION NUMBER: 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: DOTEEN YATKO TRUJILO
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
                                                                                                                                                           INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Tai-An
                               MOLECULE TYPE:
ORIGINAL SOURCE:
INDIVIDUAL ISC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94608-2916
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible OPERATING SYSTEM: Windows N SOFTWARE: Microsoft Word 97
                                                                                       TOPOLOGY:
                                                                                                                     TYPE: Nucleic Acid
                                                                                                     STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 4560 Horton Street
                                                                                                                                                                                                                 TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                  TELEPHONE:
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                                                                                                                                            340 Nucleotides
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RESULT 12
US-08-441-970-16
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Best Local
                                                                                 TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                  APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: U
FILING DATE: 16-MAY-1
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                TELEFAX:
                                                                                                                                                                                  NAME: Janiuk, Anthony
REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Boston
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                STRANDEDNESS:
                                              LENGTH:
TOPOLOGY:
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                                                340 nucleotides
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SYSTEM: MS-DOS Version 3.3
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76.9%;
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Pred. No. 4.1e-55;
4; Mismatches 73;
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RESULT 13
US-07-925-695-4
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         APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
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Best Local Similarity
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APPLICANT: OKAMOTO, I
APPLICANT: NAKAMURA,
                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                       APPLICATION NUMBER: 1
FILING DATE: 1992080:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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ORIGINAL SOURCE:
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(202)
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76.9%;
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Pred. No. 4.1e-55;
"" matches 73;
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; Sequence 1, Application US/07925695
; Patent No. 5428145
; GENERAL INFORMATION:
; APPLICANT: OKAMOTO, Hiroaki
; APPLICANT: NAKAMURA, Tetsuo
; TITLE OF INVENTION: NON-A, NON-B ;
TITLE OF INVENTION: DETECTION SYS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 14
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Best Local Similarity 76.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3
FILING DATE: 05-DEC-1991
                                             APPLICATION NUMBER: US/07/925,699
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 2693 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
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CITY: Washington
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                                                                                                                                                                                                                                                                                                    D.C.
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NON-A, NON-B HEPATITIS VIRUS GENOME,
POLYMUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
DETECTION SYSTEMS
                JP 360441/91
                                                                                                                                           us/07/925,695
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Pred. No. 8.6e-
4; Mismatches
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ches 73;
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RESULT 15
US-07-925-695-2
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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TELECOMMUNICATION INFORMATION
                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: PROPERTIES PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity nes 211; Conserv
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TYPE: NUCLEIC ACID
STRANDEDNESS: single
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                                                 APPLICATION NUMBER: US/07/925,695 FILING DATE: 19920807
                                                                                                                                                                                                                             CITY: Washington STATE: D.C.
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APPLICATION NUMBER:
                                                                                                                                                                                                            COUNTRY:
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                                                                                                                                                                                                                                                                E: Beveridge, DeGrandi, Weilacher & Young 1850 M Street, N.W., Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (202) 659-1462
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                                                                                                                                                                                                                                                                                                                                   NON-A, NON-B HEPATITIS VIRUS GENOME. POLYNUCLEOTIDES, POLYPEPTIDES, ANTIC DETECTION SYSTEMS
 JP 287402/91
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                                                                                                          Version
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ches 73;
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FILING DATE: 09-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 360441/91

FILING DATE: 05-DEC-1991

ATTORNEY/AGENT INFORMATION:

NAME: Weilacher, Robert G:

REGISTRATION NUMBER: 20,531

REFERENCE/DOCKET NUMBER: 06/87-48009

TELECOMMUNICATION INFORMATION:

TELEPAX: (202) 659-2811

TELEFAX: (202) 659-2811

TELEFAX: WUI 64470

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 9589 base pairs

TYPE: NUCLEIC ACID

STRANDENNESS: Single

TOPOLOGY: linear
Search completed: January 11, 2006, 14:46:44 Job time: 99.0405 secs
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                                                                                  8641
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                                                                                                                        301 GAGCAAGGGGTAGAGGAGGACCAGCGAGACCT 333
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Sequence Sequence Sequence Sequence

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4, Appli 176, Appli 176, Appli 9, Appli 6, Appli 37, Appli 25, Appli 25, Appli 18, Appli 18, Appli 96, Appli 96, Appli 96, Appli 97, Appli 98, Appli 100, Appli 101, Appli 102, Appli 103, Appli 104, Appli 105, Appli 106, Appli 107, Appli 108, Appli 109, Appli

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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
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                                                                 US-08-836-075A-103
US-07-925-695-1
US-07-925-695-7
US-08-240-547-29
US-08-836-075A-75
US-07-925-695-7
US-08-191-160-21
US-08-191-160-21
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US-08-869-380-1
US-08-384-616-3
US-08-384-616-3
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                                                                                                                                                                                                                                                  APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY, AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 10NS:004
INFORMATION FOR SEQ ID NO: 103:
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COUNTRY: USA
ZIP: 77210-4433
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION DA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MARRYENS, G
APPLICANT: STUYVER, LI
TITLE OF INVENTION: NE
TITLE OF INVENTION: AN
TITLE OF INVENTION: AG
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NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN
AGENTS
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US-09-014-416-6
US-08-44-818-176
US-08-44-818-176
US-08-98-321B-37
US-08-98-321B-37
US-08-98-11-160-18
US-08-44-818-96
US-08-444-818-96
US-08-444-818-102
US-08-444-818-123
US-09-916-359-1
US-09-916-359-1
US-07-910-760-9
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THERAPEUTIC AND DIAGNOSTIC

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RESULT 2
US-07-925-695-1
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US-08-836-075A-103
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1, Application US/07925695
Patent No. 5428145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                        APPLICANT: OKAMOTO, HI
APPLICANT: NAKAMURA, T
TITLE OF INVENTION: PC
TITLE OF INVENTION: DE
TITLE OF INVENTION: DE
                                         FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JE
FILING DATE: 09-AUG-15
           FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3
                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                                              COUNTRY: US
ZIP: 20036
                                                                                                                                                                                                                                                                         STREET: 1850 M St
CITY: Washington
                                                                                                                                                     SOFTWARE:
                                                                                                                                                                                                                                                              STATE: D.C.
                                                                                                                                                                                                                                                                                                              ADDRESSEE:
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1850 M Street, N.W., Suite 800
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DETECTION SYSTEMS
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                JP 360441/91
                                                             JP 287402/91
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Pred. No. 3.7e-129;
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                                                                                                                                  Sequence 2, Application US/07925695
Patent No. 5428145
GENERAL INFORMATION:
APPLICANT: OKAMOTO, Hiroaki
APPLICANT: NAKAMURA, Tetsuo
TITLE OF INVENTION: NON-A, NON-B I
TITLE OF INVENTION: POLYMOCLEOTIDE
TITLE OF INVENTION: DETECTION SYST
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEPAX: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 9589 base pairs
TYPE: NUCLEIC ACID
STRANDENNESS: single
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                        CORRESPONDENCE
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TELEFAX: WUI 64470
TELEX: WUI 64470
                                             STATE: D.C. COUNTRY: US
                                                                           STREET: 1850 M St
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
                                                                                        ADDRESSEE: Beveridge, DeGrandi, Weilacher & Young STREET: 1850 M Street, N.W., Suite 800
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                                                                                                                                                                                                                                                                                                                                                                                                        463
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                                                                                                                          ADDRESS:
                                                                                                                                        NON-A, NON-B HEPATITIS VIRUS GENOME, POLYNUCLEOTIDES, POLYPEPFIDES, ANTIGEN, ANTIBODY AND DETECTION SYSTEMS
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121 GATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGGTTGCGAAAGGCCTTG 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TACACCGGAATTGCCCGGGAAGACTGGGTCCTTTCTTGGATTAACCCCACTCTATGCCCGGA 120
                                                                                                                                                   CCCCAGAGTGGGTGTGCGCGCGACGAGAAAGACCTCGGAGCGGTCCCAGCCGCGGTGGGAG 420
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                                                    GCGCCAACCTATCCCCAAGGTTAGGCGCACCACCGGC
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GCGCCAGCCCAUCCCUAAGGAUCGGCGCUCCACUGGC
                                                                                                              CCCCAGGUUGGGUGCGCGCGACAAGGAAGACUUCGGAGCGGUCCCAGCCACGUGGAAG
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                                                                                                                                                                                                                                CGUUAAGUUUCCGGGCGGCGGCCAGAUCGUUGGCGGAGUAUACUUGUUGCCGCGCAGGGG
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Sequence 29, Application of the No. 5527669; Patent No. 5527669; GENERAL INFORMATION: APPLICANT: Resnick APPLICANT: Young,
                                                                       RESULT 4
US-08-240-547-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (202) 659-146
TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 36044
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,69)
FILING DATE: 19920807
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
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OPERATING
SOFTWARE:
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                                                                                                                              GCGCCAGCCCATCCCTAAGGATCGGCGCTCCACTGGC
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                                                        Application US/08240547
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  Resnick, Robert M
Young, Karen K.Y.
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linear
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Pred. No. 6.4e-115;
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CITY: Nutley
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                    GCGCCAACCTATCCCCAAGGTTAGGCGCACCACCGGC 457
     ACGCCÁGCCATCCCAÁAAGATCGGCGCTCCACCGGC 504
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; MOLECULE TYPE: DNA (genomic) US-08-240-547-29
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (510) 814-2977 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Sias Ph.D., Stacey R. REGISTRATION NUMBER: 32,630 REFERENCE/DOCKET NUMBER: 85 TELECOMMUNICATION INFORMATION: TELEPHONE: (510) 814-2863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
ZIP: 07110-1199
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ADDRESSEE: Hoffmann-La Roche
STREET: 340 Kingsland Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                    GATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCCTTG 180
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CCCCAGGTTGGGTGTGCGCGCGACAAGAAGACTTCCGAGCGATCCCAGCCGCGTGGGAG
                                     CCCCAGAGTGGGTGTGCGCGCGACGACGAGAAAGACCTCGGAGCGGTCCCAGCCGCGTGGGAAG
                                                                                               CGTTAAGTTTCCGGGTGGCGGCCAGATCGTTGGCGGAGTTTACTTGCTGCCGCGCAGGGG
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                                                                                                                                                                                                   GAGCACAAATCCTAAACCTCAAAGAAAAACCAAAAGAAACACAAAACCGCCGCCCACAGGA
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93.0%;
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Hepatitis C and No. 5527669el Variants
43
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3ER: 8586
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Pred. No. 1.7e-112;
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                            Matches 417; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 948
FILING DATE: 21 Oct 1994
PRIOR APPLICATION NUMBER: EP 958
APPLICATION NUMBER: EP 958
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
ANAMES
                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: MAER SEQUENCES
TITLE OF INVENTION: AND THEIR USE
TITLE OF INVENTION: AGENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Microsoft Word 6.0 / ASCII text output CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILLING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 1195 base pair
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION TO REFERENCE/DOCKET NUMBER: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
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GAGCACGAATCCTAAACCTCAAAGACAAACCAAAAGAAACACCAACCGCCGCCCACAGGA
                                                                     TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCAT 240
                                                                                                          CATTTGGGCGTGCCCCCGCAAGACTGCTARCCGAGTAGCGTTGGGGTTGCGAAAGGCCTTG
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                                                                                                                                                                                                                                                                                                                        Score 400.2; DB 3;
Pred. No. 1.1e-110;
1: Mismatches 39;
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                                                                                                                                                                                                                                                                                                                                                          Length 1195;
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RESULT 6
US-07-925-695-6
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                                                                                                                                   US-07-925-695-6
                                                                                                                                                                         TELEX: WUI 64470
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 9511 base pairs
TYPE: NUCLEIC ACID
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: OKAMOTO, HI
APPLICANT: NAKAMURA, T
TITLE OF INVENTION: NC
TITLE OF INVENTION: PC
TITLE OF INVENTION: DE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6, Application US/07925695 Patent No. 5428145
                                                                 Matches
                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/07/9;
FILING DATE: 19920807
CLASSIFICATION: 435
CLASSIFICATION DATA:
APPLICATION NUMBER: JP 2874(
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 36044
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
OPERATION UNITED NO. 107/075 COE
                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
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Similarity
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                                                                 Conservative
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                                                                                 86.6%;
76.4%;
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                                                                                                                                                                                                                                                                                                            20,531
⊼R: 06/87-48009
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                                                                                 Score 399; DB 2; 1
Pred. No. 5.7e-110;
                                                                 Mismatches
                                                                                                Length 9511;
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                                                                 Gaps
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RESULT 7
US-07-925-695-7
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                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 360441/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
              TELEX: WUI 64470
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: OKAMOTO, APPLICANT: NAKAMURA, TITLE OF INVENTION: TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/925,695
FILING DATE: 19920807
                                                              NAME: Weilacher, Robert G.
REGISTON NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                   TELEPHONE: (202) 659-1462
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAKAMURA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OKAMOTO, Hiroaki
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DETECTION SYSTEMS
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                                                                                                       06/87-48009
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RESULT 8
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                         61 TACACCGGAATTGCCCGGGAAGACTGGGTCCTTTCTTGGATTAACCCACTCTATGCCCGGA
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                                           ACGCCAGCCCATCCCGAAAGATCGGCGCTCCACCGGC 560
                                                                                                                               CCCCAGAGTGGGTGTGCGCGCGACGAGAAAGACCTCGGAGCGGTCCCAGCCGCGTGGGAG
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                                                                          GCGCCAACCTATCCCCAAGGTTAGGCGCACCACCGGC 457
                                                                                                      CCCCAGGTTGGGTGTGCGCGCGACAAGGAAGACTTCYGAGCGATCCCAGCCGCGTGGACG
                                                                                                                                                                CGTTAAGTTCCCGGGTGGCGGTCAGATCGTTGGCGGAGTTTACTTGCTGCCGCGCAGGGG
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91.9%;
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Pred. No. 5.7e-110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
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US-08-836-075A-59 Sequence 59, Appli Patent No. 6180768 ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA: GENERAL INFORMATION: APPLICANT: MAERTENS, APPLICANT: STUTYVER, I TITLE OF INVENTION: I TITLE OF INVENTION: I NUMBER OF SEQUENCES: 2 STATE: TI ADDRESSEE: ARNOLD, WHITE STREET: P.O. BOX 4433 CITY: HOUSTON APPLICATION NUMBER: TEXAS Application US/08836075A USA MAERTENS, LIEVEN
NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AN AGENTS 207 GEERT EP 94870166.9 & DURKEE ASCII text THERAPEUTIC AND DIAGNOSTIC

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Patent No. 6210675

GENERAL INFORMATION:
APPLICANT: Highfield, Peter Edmund
APPLICANT: Rodgers, Brian Colin
APPLICANT: Tedder, Richard Seton
APPLICANT: Barbara, John Anthony Ja
TITLE OF INVENTION: Viral Agent
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; MOLECULE TYPE: (
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-836-075A-59
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US-08-191-160-21
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FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS
INFORMATION FOR SEQ ID NO: 59:
                                                                                                                                                                                                                      Sequence
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LENGTH: 652 base pairs
TYPE: nucleic acid
STRANUEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 21 Oct 1994 PRIOR APPLICATION DATA:
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422; Conserv
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           Washington : D.C.
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U.S.A.
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                                                                                                                                                                        Peter Edmund
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Pred. No. 2.7e-110;
0; Mismatches 39;
                                                             Ernst & Kurz
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INFORMATION FOR SEQ ID NO: 2
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FILING DATE: 17 DEC 1990
APPLICATION NUMBER: UK 89
FILING DATE: 18 DEC 1989
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 833-5740
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MEDIUM TYPE: Floppy diskette, 5.25 i
COMPUTER: IBM T compatible
OPERATING SYSTEM: MS-DOS V3.2
SOFTWARE: Wordperfect 5.0 (DOS text)
CURRENT APPLICATION DATA:
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ORIGINAL SOURCE:
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TYPE: nucleotide with corresponding STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: from 308 to LOCATION: polyprotein OTHER INFORMATION: vir OTHER INFORMATION: pro
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               GAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAGGA
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E. Anthony Figg
E. 27,195
CGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGGGG
                                                                                                                                    TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCAT
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TELEFAX: (0...
TELEFAX: 20154
TELEX: 20154
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 780 base pairs
TYPE: nucleic acid
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US-08-474-700B-45
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Patent No. buve-
Patent INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/240,382 FILING DATE: 10 May 1994 ATTORNEY/AGENT INFORMATION:
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OPERATING SYSTEM: MS-DOS (Version 5
SOFTWARE: MordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
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APPLICANT: Moradpour, Dar
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CITY: E
                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,
REFERENCE/DOCKET NUMBER:
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                                                                  GATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCCTTG
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TGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: 3.5" Diskette, 1.44 Mb
IBM PS/2 Model 50Z or 55SX
SYSTEM: MS-DOS (Version 5.0)
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Pred. No. 3.6e-109;
0; Mismatches 40;
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US-09-763-836-1
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TITLE OF INVENTION: Enhancing Gene Expression FILE REFERENCE: 19036/37156
CURRENT APPLICATION NUMBER: US/09/763,836
CURRENT FILING DATE: 2001-02-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 1
LENGTH: 713
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 418; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: YAWADA, Osamu
APPLICANT: YOSHIDA, Hiroshi
APPLICANT: ZHANG, Jing
TITLE OF INVENTION: Nucleic Acid Sequence which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: (1)..(341)
NAME/KEY: CDS
LOCATION: (342)..(713)
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                               CGTTAAGTTCCCGGGCGGTGGCCAGATCGTTGGCGGGGGTGTACTTGTTGCCGCGCAGGGG
                                                                   GAGCACAAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCGCCCACAGGA
                                                                                                       GAGCACGAATCCTAAACCTCAAAGACAAACCAAAAGAAAACACCAACCGCCGCCCACAGGA
                                                                                                                                                               TGGTACTGCCTGATAGGGTGCCTTGCGAGTGCCCCCGGGAGGTCTCGTAGACCGTGCACCAT
                                                                                                                                                                                                               GATTTGGGCGTGCCCCCGCGAGACTGCTAGCCGAGTAGTGTTGGGTCGCGAAAGGCCTTG
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US-08-869-380-1
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                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (215) 568-343:
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 923 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY AGENT INFORMATION:
NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: APOL
TELECOMMUNICATION INFORMATION:
TELECHIONE: (215) 568-3100
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
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APPLICATION NUMBER: 1
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APPLICATION NUMBER: US/08/869,380
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                  NAME/KEY:
LOCATION:
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CLASSIFICATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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CITY: Philadelphia
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STREET: One Liberty Place, 46th floor
                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, Version #1.25
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GATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGGTTGCGAAAGGCCTTG 180
                                   TACACCGGAATTGCCAGGACGACCGGGTCCTTTCTTGGATCAACCCGCTCAATGCCTGGA
                                                                    TACACCGGAATTGCCGGGAAGACTGGGTCCTTTCTTGGATTAACCCACTCTATGCCCGGA 120
                                                                                                           CGTGCAGCCTCCAGGACCCCCCCCTCCCGGGAGAGCCATAGTGGTCTGCGGAACCCGGTGAG
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Wakita, Takaji
Zurawski, Jr.,
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91.1%;
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                                                                                                                                                                                             Score 393.4; DB 3; Pred. No. 1.2e-108;
                                                                                                                                                                                Mismatches
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PCT-US95-13552-14
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                                                                        TELEFAX: (215) 568-34 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Coney, Leslie R.
TITLE OF INVENTION: HEPATITIS VIRUS VACCINES
NUMBER OF SEQUENCES: 18
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APPLICANT: Wakita, Takaji
APPLICANT: Pachuk, Catherine J.
                                 SEQUENCE CHARACTERISTICS:
LENGTH: 923 base pairs
                                                                                                                                                                                                                                                                                                                    CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
OR 08/318,248
                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: (215) 568-3100
                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Wands, Jack
                                                                                                                                           NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,2
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                    APPLICATION NUMBER: US 0 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                        FILING DATE: (CLASSIFICATION
                                                                                                                                                                                                                                                                                                                                                             FILING DATE: H
                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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   STRANDEDNESS:
                                                                                                         TELEPHONE:
                                                                                                                                                                                                                     CLASSIFICATION:
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MOLECULE TYPE:
FEATURE:
                                                                                                                                                  STREET: 1/20
CITY: Washington
STATE: D.C.
" S.A.
                                                                                                                                                                          ADDRESSEE: ALMU-
ADDRESSEE: Naughton
ADDRESSEE: 1725 K St. N.W. S
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS, Version
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/324,977
FILING DATE: 18-OCT-1994
                                                                                                                                                                                                                                                                          APPLICANT: YOSHIDA, IWAO
TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS
TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE
                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.44Mb
                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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MORI, Chisato
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Pred. No. 1.2e-108;
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Best Local Similarity
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TELEX: 440142
INFORMATION FOR SEQ ID NO:
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LENGTH: 1499 base pairs
TYPE: nucleic acid
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NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER:
FILING DATE: 25-JUN-
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: U
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LOCATION: 1..1499
OTHER INFORMATION: /note= "sequence
OTHER INFORMATION: ID NO: 1"
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REFERENCE/DOCKET NUMBER: 900703
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31-AUG-1990
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Pred. No. 1.4e-108;
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Gaps

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455

CCCCAGGTTGGGTGTGCGCGCGCCCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGAAG 514

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RESULT 15
US-08-384-616-3
; Sequence 3, Application US/0838
; Patent No. 5847101
; GENERAL INFORMATION:
; APPLICANT: OKAYAMA, Hiroto
; APPLICANT: FUKE, Isao
APPLICANT: MORI, Chisato
APPLICANT: TAKAMIZAWA, Akah
APPLICANT: YOSHIDA, Iwao
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                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: JP 2-167466
FILING DATE: 25-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-230921
FILING DATE: 31-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 2-305605
FILING DATE: 09-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/635,451
APPLICATION NUMBER: US 07/635,451
                                                                                                                                                                                                                        TELEX: 440142
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08,
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07,
FILING DATE: 02-OCT-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC comp
OPERATING SYSTEM: PC-
SOFTWARE: ASCII
                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 90
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: AULT CURRENT APPLICATION DATA:
CURRENT APPLICATION US/08/384,616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS TITLE OF INVENTION: CDNA AND ANTIGEN POLYPEPTIDE NUMBER OF SEQUENCES: 50
                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 28-DEC-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                      FEATURE:
NAME/KEY:
                                                                                                                                  MOLECULE TYPE:
                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Armstrony, necountry, ADDRESSEE: Naughton STREET: 1725 K. St. N.W. Suite 1000
                                                                           NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                     TELEPHONE: (202) 887-0357
                                                                                                                                                                                                                                                                                                                                                          NAME: Stevens-Smith, Theres REGISTRATION NUMBER: 36,281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
NAME/KEY: misc_feature
LOCATION: 1..1499
OTHER INFORMATION: /note= "sequence = 1 -
                                                                                                                                                                                     TYPE: nucleic acid
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                                                                                                                                                                     STRANDEDNESS:
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MORI, Chisato
TAKAMIZAWA, Akahisa
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS, Version
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linear
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333..1499
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Matches 418; Conservative
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Best Local
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                           GCGCCAACCTATCCCCAAGGTTAGGCGCACCACCGGCCG
                                                                                                                                                                           GAGCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGCCCCCCACAGGA
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                                                                                                                                      CGTTAAGTTCCCGGGCGGTGGCCAGATCGTTGGCGGGGTGTACTTGTTGCCGCGCAGGGG
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                                                                                    CCCCAGAGTGGGTGTGCGCGCGACGAGAAAAGACCTCGGAGCGGTCCCAGCCGCGTGGGAG
                                                                                                                CGTCAAGTTCCCGGGCGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGGGG
                                                       CCCCAGGTTGGGTGTGCGCGCGCCCAGGAAGACTTCCGAGCGGTCGCAACCTCGTGGAAG
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GCGACAACCTATCCCCAAGGCTCGCCGGCCCGAGGGCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 393.4; DB 2; Pred. No. 1.4e-108;
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Search completed: January 11, 2006, 14:46:45 Job time : 137.291 secs

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Result
No.
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Maximum
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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309.8
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seq length: 2000000000
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1: /cgm2_6/ptodata/1
2: /cgm2_6/ptodata/1
3: /cgm2_6/ptodata/1
4: /cgm2_6/ptodata/1
5: /cgm2_6/ptodata/1
6: /cgm2_6/ptodata/1
6: /cgm2_6/ptodata/1
9: /cgm2_6/ptodata/1
9: /cgm2_6/ptodata/1
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Gapop 10.0 , Gapext 1.0
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 /cgm2_6/ptodata/1/ina/1_COMB.seq:*
/cgm2_6/ptodata/1/ina/5_COMB.seq:*
/cgm2_6/ptodata/1/ina/6A_COMB.seq:*
/cgm2_6/ptodata/1/ina/B_COMB.seq:*
/cgm2_6/ptodata/1/ina/H_COMB.seq:*
/cgm2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgm2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgm2_6/ptodata/1/ina/ECOMB.seq:*
/cgm2_6/ptodata/1/ina/ECOMB.seq:*
/cgm2_6/ptodata/1/ina/ECOMB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                              Length
 GenCore version 5.1.6 (c) 1993 - 2006 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                BB
                             US-08-836-075A-105
US-08-836-075A-71
US-08-836-075A-71
US-08-836-075A-71
US-09-878-281A-215
US-09-878-281A-215
US-08-441-971-15
US-08-441-970-15
US-08-441-970-16
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US-08-441-970-17
US-08-441-970-17
US-08-441-970-17
US-08-441-970-17
US-08-442-144A-17
US-08-836-075A-69
US-09-878-281A-145
US-09-878-281A-145
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                                            Sequence 105, App
Sequence 101, App
Sequence 101, App
Sequence 215, App
Sequence 15, App
Sequence 15, App
Sequence 15, App
Sequence 16, Appl
Sequence 17, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 17, Appl
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                             Sequence
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US-08-836-075A-105
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165.8	165.8	166.4	168	168	168	168	168.6	169.4	173.4	191.4	196.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.8
48.8	48.8	48.9	49.4	49.4	49.4	49.4	49.6	49.8	51.0	56.3	57.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340
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US-09-878-281A-209	US-09-878-281A-106	US-08-836-075A-83	US-08-441-970-6	US-08-442-144A-6	US-08-221-653-6	US-08-441-971-6	US-08-836-075A-87	US-09-878-281A-211	US-08-836-075A-55	US-08-836-075A-73	US-08-836-075A-77	US-08-441-970-14	US-08-441-970-13	US-08-442-144A-14	US-08-442-144A-13	US-08-221-653-14	US-08-221-653-13	US-08-441-971-14	US-08-441-971-13	US-08-836-075A-79
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
209, App	106, App	83, Appl	6, Appli	6, Appli	6, Appli	6, Appli	87, Appl	211, App	•	-	-	14, Appl	-	-	-	14, Appl	•	•	•	•

ALIGNMENTS

```
Sequence 105, Application US/08836075A
PATENT NO. 6180768
GENERAL INFORMATION:
APPLICANT: MARRIENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF
TITLE OF INVENTION: AND THEIR USE AS
TITLE OF INVENTION: AGENTS
UMMBER OF SEQUENCES: 207
                                                                                                                                                           CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER: 29,775
REGISTRATION NUMBER: 29,775
REGISTRATION FOR SEQ ID NO: 105:
INFORMATION FOR SEQ ID NO: 105:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
MOLECULE TYPE: HYPOTHETICAL:
                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                               TOPOLOGY:
                                                                   STRANDEDNESS: single
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                                                                                                                      LENGTH:
                                                                                     1: 340 base pairs nucleic acid
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                                               linear
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US-08-836-075A-105
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GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 1NI
INFORMATION FOR SEQ ID NO: 99:
                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: ARNOLD, WHITE &
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA:
                                                                    FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                      APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95870076.7
                                                                                                                                                                              APPLICATION NUMBER: PCT/1
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
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o. 6180768
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100.0%; Pred. No. 6.5e-98;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WHITE & DURKEE
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                                                                                                                                                                                                                      PCT/EP95/04155
                    INNS:004
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STRANDEDNESS: sing TOPOLOGY: linear NOLECULE TYPE: CDNA HYPOTHETICAL: NO ANTI-SENSE: NO US-08-836-075A-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 6180768
; GENERAL INFORMATION:
APPLICANT: MAERTENS, G
APPLICANT: STUYVER, LI
APPLICANT: STUYVER, LI
TITLE OF INVENTION: NO
TITLE OF INVENTION: AN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 101,
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US-08-836-075A-101
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Best Local Similarity
Matches 320; Conserv
             PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/04155
FILING DATE: 23 OCT 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 OCT 1994
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / J
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                        STREET: P.O. B
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                APPLICATION NUMBER: FILING DATE: 21 Apr
                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 77210-4433
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APPLICATION NUMBER:
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O. BOX 4433
                                                                                                                                  ייישנא: US/08/836,075A
21 Apr 1997
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 EP 95870076.7
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Pred. No. 9.7e-89;
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RESULT 4
US-08-836-075A-71
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 71, Application US/08836075A Patent No. 6180768 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: 101
INFORMATION FOR SEQ ID NO: 101:
                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 207
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HYPOTHETICAL: NO
ANTI-SENSE: NO
PRIOR APPLICATION NUMBER: PCT/E,
APPLICATION NUMBER: PCT/E,
FILING DATE: 23 Or
                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                    STREET: P.O. BOUNTON STATE: TEXAS
                                                                         APPLICATION NUMBER: FILING DATE: 21 Ap
                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 77210-4433
                                                                                                                                                                                                                                                                                                             ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 335 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             315; Conservative
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                                    PCT/EP95/04155
                                                                                          US/08/836,075A
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; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-878-281A-215
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                                                                                                                       GENERAL INFORMATION:
APPLICANT: Inmogenetics N.V.
APPLICANT: Inmogenetics N.V.
TITLE OF INVENTION: New sequences of hepatitis C virus genotypes for diagnosis, prophy
TITLE OF INVENTION: and therapy
FILE REFERENCE: 35
CURRENT APPLICATION NUMBER: US/09/878,281A
CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 284
SOFTWARE: PatentIn version 3.1
SEQ ID NO 215
LENGTH: 340
TYDE: NUM
                                                                                                                                                                                                                                                                                                                                 Sequence 215, Application US/09878281A Patent No. 6762024
Query Match
Best Local Similarity
Matches 268; Conserv
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: CI
HYPOTHETICAL: NO
ANTI-SENSE: NO
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FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMEREK, PATTRICIA A.
REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: EP 9-
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA:
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                      Score 226.6; DB Pred. No. 3e-62;
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         Mismatches
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                                       DB 3;
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                                         Length 340;
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US-08-441-971-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Tai-An
                                                                                          SEQUENCE CHARACTERISTICS:
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
                                                                                                                                                       TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                   FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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                                                                                                             TELEFAX: YOU SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM:
SOFTWARE: WORDER
                                                                                                                                                                                                       NAME: Janiuk, Anthony REGISTRATION NUMBER: :
                                                                                                                                                                                                                                                                FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 16-MAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
STATE: Massa
                                                                TYPE:
                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/07/881,528
                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE:
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6071693
                                                              nucleic acid
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                                                                             340 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              600 Atlantic Avenue
                                                                                                                                            (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                         SYSTEM: MS-DOS Version 3.3 WordPerfect 5.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      IBM compatible
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                                                                                                                                                                                                                                                                                                                                                                        UMBER: US/08/441,971
16-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Diskette,
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; INDIVIDUAL ISOLATE: US-08-441-971-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity Matches 264; Conserv
                                                                                                                                                                                                                                                                            121 CATGACAAACAGCAAGGGGCAATCCTGCGGGGTACAGGCGTTGCCGCGCGAGCGGAGTGCT
                                                                                                                                                                                                                                                                                                                       121 GATGGAAAACAGCAAGGGCCAGGCCTGCGGATACAGGCGTTGCCGCGCAAGCGGGGTATT 180
                                                                                                                                                                                                                                                                                                                                                                                                             61 GCCCGAAGAGGCCCGGAAGGCCATCAAATCACTGACAGAGAGACTATACGTGGGCGGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CTCTACTGTCACAGAGAGGGATATACGAACAGAGGAATCCATYTATCTGGCTTGTCAATT
GAGTCAGGGGGTCGAGGAAGATGAGCGGAACCTGAGAGTC 340
                               AAGCAAGGGGGTGGAGGAGGACCAACGAGACCTACGANTC 340
                                                                                                                                                                                 CACCACCAGCATGGGCAACACGCTCACGTGCTACGTGAAAGCCAGAGCGGCGTGTAACGC
                                                                                                                                                                                                                       CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCCAAGGCGGCTTGTAAAGC
                                                                                        CGCGGGCATTGTTGCTCCCACCATGTTGGTGTGCGGCGACGACCTGGTTGTCATCTCAGA
                                                                                                                     CGCTGGCATTGTTGACCCCAGTGATGCTCGTGTGCGGCGACGACCTAGTGGTCATCTCAGA
                                                                                                                                                                                                                                                                                                                                                                     GCCTGAGGAGGCCCGAACTGCTATACACTCACTGACTGAGAGACTGTACGTAGGGGGGGCC
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Pred. No. 3.3e-60;
wismatches 75;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 340;
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Sequence 15, Application
                                                                                                                                                          FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881,521
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
                                   TELEX: EZEKIEL INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MERAL INFORMATION: APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
                                                                                                         REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                      TELEPHONE: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                  REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               600 Atlantic Avenue
                                                                                           (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                     Diskette,
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RESULT 8
US-08-442-144A-15
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Best Local Similarity
Matches 264; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
              PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/221,65:

FILING DATE: APRIL 1, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Doreen Yatko Trujillo

REGISTRATION NUMBER: 35,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: lin
MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                         ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                APPLICATION NUMBER: US/08, FILING DATE: MAY 16, 1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Emeryville
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
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STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INDIVIDUAL ISOLATE: ns5i10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 CÁCCACCAGCATGGGCAACACGCTCACGTGCTÁCGTGÁAAGCCAGAGCGGCGTGTAACGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAGTCAGGGGGTCGAGGAAGATGAGCGGAACCTGAGAGTC 340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4560 Horton Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                                                                                               08/221,653
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CHIR-0121
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 15, Application US/08441970 Patent No. 6297370 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity Matches 264; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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SEQUENCE CHARACTERISTICS:
LENGTH: 340 Nucleotides
TYPE: Nucleic Acid
                                                                                                                                                                                                            ZIP: 02210

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25

COMPUTER: IBM compatible

OPERATING SYSTEM: MS.DOS Ve

SOFTWARE: WordPerfect 5.1
                                                                         APPLICATION NUMBER: 1
FILING DATE: 16-MAY-:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
                                                                                                                                                                                     CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
                      APPLICATION NUMBER: 07/8 FILING DATE: 08-MAY-1992
                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 215-568-3439
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
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77.6%;
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07/697,326
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Pred. No. 3.3e-60;
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RESULT 10
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 264;
                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC
TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: EZEKIEL INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS: LENGTH: 340 nucleotides
         OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,971
                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5
COMPUTER: IBM compatible
                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: CO-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Janiuk, Anthor REGISTRATION NUMBER:
                                                                                                                   ZIP:
                                                                                                                                                 CITY: Boston
STATE: Massac
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                                                                                                                                   COUNTRY:
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16-MAY-1995
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77.6%; Pred. No. 3.3e-60;
tive 1; Mismatches 75
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RESULT 11
US-08-221-653-16
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                                                                                                                                                                                                              Sequence 16, Application US/08221653
Patent No. 6190864
GENERAL INFORMATION:
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 nucleotides
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ORIGINAL SOURCE:
INDIVIDUAL ISOLATE:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653
FILING DATE:
APPLICATION NUMBER: US/07/881,528
                                                                                                    NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Gre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
APPLICATION NUMBER: 07/69
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                               TITLE OF INVENTION: HCV GENOMIC TITLE OF INVENTION: DIAGNOSTICS
                                                                                                                                                                                                 APPLICANT:
COMPUTER READABLE FORM:
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                 COUNTRY: U
ZIP: 02210
                                                                                       STREET:
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                                                                    CITY: Boston
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                                                     Massachusetts
                                                                                         600 Atlantic Avenue
                                  USA
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                                                                                                           Greenfield & Sacks,
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78.0%;
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Pred. No. 4.5e-60;
1; Mismatches 73;
                                                                                                                                                               SEQUENCES FOR AND THERAPEUTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Tai-An Ch
TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: CO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 8 MAY 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 16-MAY-
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 340 nucleotides
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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                       AAGCAAGGGGGTGGAGGAGGACCAACGAGACCTACGA 337
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GAGTCAAGGGGTCGAGGAGGATGAGCGAAACCTGAGA 337
                                                                                  CGCTGGCATTGTTGACCCAGTGATGCTCGTGTGCGGCGACGACCTAGTGGTCATCTCAGA
                                                                                                                           CACCACCAGCATGGGTAACACACTCACGTGCTACGTGAAAGCTAAAGCGGCATGTAACGC
                                                                                                                                                     CACCACAAGCTTGGGGAACACCATGACTTGTTACATCAAAGCCAAGGCGGCTTGTAAAGC
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                                                              CGCGGGCATTGTTGCCCCCACCATGTTGGTGTGCGGCGACGACCTAGTCGTCATCTCAGA
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SYSTEM: MS-DOS Version 3.3
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78.0%;
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RESULT 14
US-07-925-695-6
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Best Local Similarity
Matches 216; Conserv
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PRIOR APPLICATION DATA:
APPLICATION UNMER: JP 287402/91
APPLICATION UNMER: JP 287402/91
PRIOR APPLICATION DATA:
APPLICATION UNMER: JP 360441/91
PRILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Wellacher, Robert G.
REGISTRATION NUMBER: 20,531
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INFORMATION FOR SEQ ID NO:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy A:
COMPUTER: 15M COMPUTER: 
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REPERENCE/DOCKET NUMBER: 06/87-48009
TELECOMMUNICATION INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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TITLE OF INVENTION:
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LENGTH: 9511 base pair
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APPLICANT: NAKAMURA, Tetsuo
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                                  CGCTGGCATTGTTGACCCAGTGATGCTCGTGTGGGGCGACGACCTAGTGGTCATCTCAGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9511 base pairs
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(202) 659-1462
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Pred. No. 5.9e-59;
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RESULT 12
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                                                                                                                     Patent No.
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                                                                                                       GENERAL INFORMATION:
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TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C077
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEPAX: (617) 720-2441
APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Manice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
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ORIGINAL SOURCE:
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LENGTH: 340 nucleotides
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FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER:
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CURRENT APPLICATION DATA:
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STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Diskette, 5.25 inch COMPUTER: IBM compatible OPERATING SYSTEM: MS-DOS Version
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78.0%;
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Pred. No. 4.5e-60;
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          RESULT 13
US-08-441-970-16
; Sequence 16, Application
; Patent No. 6297370
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   GENERAL INFORMATION:
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US-08-442-144A-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Doreen Yatko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHI-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 340 Nucleotic
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 215-568-3439
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                              AAGCAAGGGGGTGGAGGAGGACCAACGAGACCTACGA 337
                                                                                     CGCGGGCATTGTTGCCCCCCACCATGTTGGTGTGCGGCGACGACCTAGTCGTCATCTCAGA
                                                                                                                 CGCTGGCATTGTTGACCCCAGTGATGCTCGTGTGCGGCGACGACCTAGTGGTCATCTCAGA 300
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Pred. No. 4.5e-60;
1; Mismatches 73;
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